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ANNUAL REPORTS
CITY OF BANGOR
1913-14

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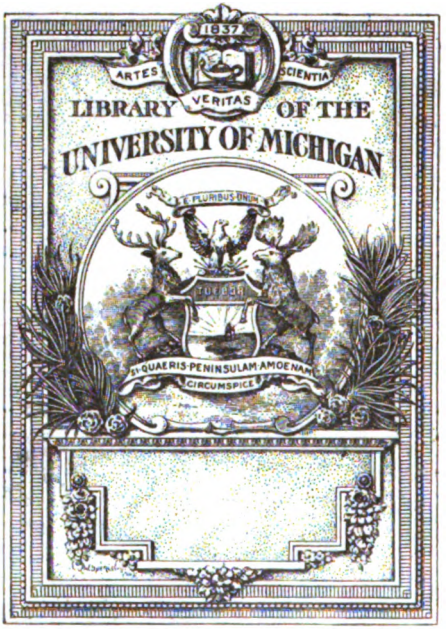

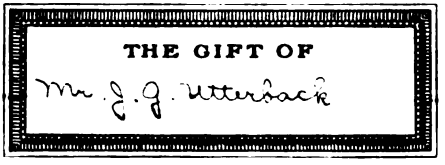

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CITY OF BANGOR.

MAYOR'S ADDRESS

THE ANNUAL REPORTS

OF THE SEVERAL DEPARTMENTS

AND THE

RECEIPTS AND EXPENDITURES

FOR THE MUNICIPAL YEAR

1913-1914

Compliments of

J. G. Utterback

Mayor

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CITY OF BANGOR.

MAYOR'S ADDRESS

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1913-1914

BANGOR, MAINE
BANGOR CO-OPERATIVE PRINTING CO.
1914

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Bangor City Government

1913-1914

Mayor, F. O. BEAL

ALDERMEN

Ward 1.	Edward R. Hickson	Ward 4.	Fred A. Jordan
Ward 2.	John G. Utterback	Ward 5.	William D. Matheson
Ward 3.	George Smith	Ward 6.	Arthur A. Leadbetter
		Ward 7.	David J. McGrath

City Clerk and Clerk of Board, VICTOR BRETT

COMMON COUNCILMEN

President, Joseph E. Friend

WARD 1

Hugh T. Gallagher — James E. Canning — Charles J. Bernstein

WARD 2

James E. Rogers — Arthur J. Bleakley — Frank R. Atwood

WARD 3

Frank F. Rich — Benjamin F. Tefft — John M. Grant

WARD 4

Ralph V. Morrison — Fred C. Ridley — Henry A. Kelley

WARD 5

Joseph E. Friend — Eben W. Blunt — Henry A. King

WARD 6

William H. Holman — George P. Gould — Edwin H. Carter

WARD 7

Thomas F. Gallagher — George F. Givren — Charles G. O'Connor

Clerk of Board, Thomas G. Donovon

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Mayor's Address

Gentlemen of the City Council:

In most convincing tones, the voice of the people has been heard demanding a strict business administration of their affairs.

We shall be held individually and collectively responsible for each and every act of this administration, for the same expression of confidence was given you as was given me by the voter—and you must remember the same votes elected us all—therefore, it behooves each and every one of us to do individually everything within our power to give a good accounting of our stewardship to the citizens of Bangor.

It is evident that the deep concern of our people is that they may have full knowledge of every act of this administration, and to do this, a first necessity is to open the doors and let in the light on all affairs which the people have a right to know about.

We are never so proper in our conduct as when everybody can look in and see exactly what we are doing.

I firmly hold the opinion that the administration of municipal affairs, being essentially public business, should be transacted in the open and that it is the duty of each and every one of us to explain to the citizens, whenever opportunity offers, exactly what is going on in City Hall.

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An organized city is a municipal corporation. Its charter is its franchise, prescribing its privileges and duties. The true meaning of municipal is—the undertaking of services—and has reference to the responsibilities certain citizens assume in the way of local government.

A corporation is an artificial person created by law to accomplish certain purposes; as banking, manufacturing or transportation. The function of a municipal corporation is to provide for the welfare of its citizens.

A business corporation has its stockholders who put up the capital and share in its gains or losses. The municipal corporation consists of its citizens who through their taxes—poll and property—pay regular assessments to keep the business going and expect the return in protection from disease, fire, crime, etc., and in opportunities for individual enterprise.

As the stockholders in a corporation transact their business through selected agents, directors and officers—so the citizens of a municipality are compelled to elect officials to carry on their governmental business. The principle is exactly the same, whether the business is making and selling paper, stoves, etc., or building streets and sewers, guarding the health, protection from fire or crime or providing lights or water.

In both cases the prosperity of the corporation depends upon the efficiency of the agents who manage the business.

We have been chosen to act as trustees of this municipal corporation and we have just taken our solemn oaths to protect and further its interests above all else—therefore let us not in

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any instance commit one single act that will in the slightest degree weaken the confidence our citizens now have in us.

There has been in the past an entire lack of harmony and understanding between the upper and lower boards on almost all business transacted.

The true remedy for this unbusinesslike situation is to be found in Section 12, of Joint Rules of City Council, which reads:—"No new order, ordinance or resolve shall be in order at any meeting of the City Council unless said order, ordinance or resolve shall have been filed with the City Clerk at or before twelve o'clock noon of the day prior to said meeting of the City Council; and previous to the time for calling such meeting to order, each member of the City Council shall be furnished with a list of such orders, ordinances and resolves giving descriptive titles of same and the name of the member by whom such order, ordinance or resolve is introduced."

You will readily understand that the above rule is intended to give publicity to all business coming before the City Council, so that the taxpayers can if they desire personally appear to protest, as well as give the members of the City Council an opportunity of acquiring information on every measure.

This rule has been given little or no attention during my two years in the City Council and the failure to enforce it has resulted in legislation in some instances, detrimental to the City's interests.

I shall insist on the strict enforcement of this rule.

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I shall call a joint session of the two boards, at the beginning of each meeting, to discuss the various measures to be presented for action, so that a full understanding may be had of every point of business to be transacted. I will take you into my confidence and we shall have such a full and complete understanding of all measures, that I do not feel there will be a single instance of where I shall be compelled to use my power of veto.

I also propose to have frequent meetings with you to discuss informally the various problems confronting us, also to take up separately the various departments and analyze them fully so that every member of the City Council may have an intelligent idea of the workings of all municipal affairs.

We should insist on the practice of rigid economy in every department during the entire year. I do not mean by this that any necessary needs or improvement should be checked merely to accomplish an apparent temporary saving. This would be false economy. All necessary public work should be undertaken with a view of securing the best possible results at reasonable cost, always bearing in mind the City's need for real economy.

In taking upon our shoulders the grave responsibility of administrating the affairs of the City, we must first of all have a full and complete knowledge, in minute detail, of the assets of each department. This cannot be had under existing conditions, as the present method of bookkeeping is crude and obsolete. In making this statement I cast no reflection on the management of any department.

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To accomplish this, I ask that one of your very first acts be the passing of an order directing a complete auditing of each department and the passing of an Ordinance establishing the office of City Auditor.

In support of this, I quote you in part the report of Charles P. Hatch—President of the Bankers Audit Co.—Portland, who submitted said report to the City Council, Nov. 10th, 1913, after having made an investigation of several departments.

"OLD AND NEW METHODS"

"It is needless for us to dwell at any length on the present loose and old fashioned methods now in vogue, as this subject has been so recently before the Council that the conditions must be plainly apparent to all. It is well recognized that simplicity and efficiency must always be foremost in the consideration of a plan or scheme which will permit the City to conduct its business with the greatest economy, promptness and safety, that the results thereof may be intelligently presented to the ready understanding of the ordinary citizen."

"To conduct the business of the City with economy and safety, each Department should be able to meet its requirements as satisfactorily and as promptly as would any commercial enterprise. The expenses should be incurred only as necessary, and payments should be made promptly."

"This can not be done under the present system of auditing and paying accounts only upon vote of the City Council and order of the Mayor. Very frequently it is not possible to show

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what savings have been made by improved methods, because you can scarcely measure the loss which might have been sustained by former methods."

"OFFICE OF CITY AUDITOR SUGGESTED"

"We suggest first the manifest importance of creating the office of City Auditor, and clothing that officer with sufficient authority to enable him to carefully supervise all of the financial affairs of the City; keep all of the controlling accounts and direct the methods of keeping the details by the various Departments."

"Modern practice in municipal affairs has demonstrated the necessity of delegating this authority to some competent person who is always obtainable when the numerous emergencies arise involving prompt settlements."

"The office of City Auditor properly regulated, and well conducted, will relieve the City Council of onerous duties, the Mayor, the City Clerk, City Treasurer, and all other principal Departments, of the mass of detail and segregated results, and center them in the one Department, which would always be available for information, and which should simply, but efficiently, record all financial transactions, and assign all charges to the proper accounts, avoid duplications, and promote simplicity of procedure throughout the entire municipal organization."

"The City Auditor, being an officer charged with an expenditure only for department expenses, in which he is guarded

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by the Council Committee on Claims, is in a position to scrupulously scrutinize all expenses of the City, thus having a check on all departments, and he centralizes the accounting, develops proper expense data, and informs each department of its available funds, while at the same time his aim is to secure procedure in matters of detail which will contribute to the final outcome in the most simple yet effective manner."

"When such an ordinance becomes effective, all claims and accounts can be promptly paid, and all purchase discounts can be availed of, more advantageous purchases be made, and many useless details be eliminated."

When the Order is passed directing the auditing of the various departments, I shall immediately have taken a minute and complete inventory of every department, giving as nearly as possible the assets of said department—also a listing with valuation of all city property, so that we may have an accurate account of all the City's assets.

In our present system of accounting, accurate inventories have been entirely ignored and it has been impossible to make any statement of expenses comparable with previous years so that a comprehensive idea may be had of the gains or losses in the various departments.

Our Street Commissioner should be a man of technical training and of experience, and the salary of this office should be increased sufficiently to attract such a man. Considering the

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large amount of money expended in recent years on our streets and highways, I attribute their present deplorable condition largely to the fact that the various commissioners have not been men qualified for the work by technical training. I believe that all new street and sidewalk construction should be carried out through the direct work of this department and not let out by contract.

In considering the several phases of our present situation, I am seriously impressed with the thought that not we alone are assuming a deep obligation to the City—there is also the obligation of the people to the City.

A broader public spirit, a striving for higher efficiency in the conduct of every day affairs, a willingness to co-operate to the end that as a commercial center the City shall attain the position which is its due, whether regarded from the moral or the material standpoint, is our greatest need.

A generous public spirit is of infinite value to a community. It is on such a public spirit that the well being of our city must depend, and while I earnestly hope that we may progress along those material and particular lines representing the City's particular needs, I shall regard it as the especial triumph of this administration if through your co-operation, we can bring about that united effort which will mean a betterment, in some degree, of the conditions under which we live.

In unity there is strength, and in co-operation and neighborliness, there is growth.

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Considering the material well being and prosperity of Bangor, I am convinced we have not always fully appreciated the advantages of our position, when we consider the vast stretch of country surrounding us of which we are the largest centre of population and of commercial activity.

All this vast territory is undergoing development. I believe it will develop much more rapidly in the future than in the past. We should grow and develop with it.

An enlightened self-interest should compel us to lend our aid and influence throughout this section. Highways, trolleys, railroads, the sounding the praises of the natural beauties and advantage of this region should have our aid and encouragement.

Loyalty to city finds its expression in practical ways, and one way in particular confers material benefit on the city as a whole and on its citizens individually. Home industry calls for the patronage of home people, not because of sentiment, but because of the invariable law of economics.

No man can be entirely independent of the community where he lives and works. The grand volume of prosperity of the city is reflected in his own prosperity.

Every considerable loss of trade from this city that logically belongs here is a reduction of so much in the total volume of trade, which reacts upon the employment of all classes of labor and the general prosperity of all our people. No man is either so high or so low as not to feel the effects of a trade movement either to or from his city.

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The man who deprives home industry of the support it ought to have stands in his own light. He takes just so much from the credit balance of the prosperity of this city—a part of that balance belongs to him.

Therefore, it behooves each and every one of us to consider Bangor's interests first. Eat Bangor made bread, smoke Bangor made cigars, trade with Bangor merchants. Lay aside petty jealousies, envy, individual differences and past troubles in the broad co-operative spirit of helping the whole city.

In conclusion, let us remember that the well ordered city will attract the stranger to its door, therefore let us not be lacking in a cordial and hospitable welcome to him. It needs but our best efforts and a thorough belief in the future of our city to make Bangor justly entitled to become the "Queen City" of all New England.

J. G. UTTERBACK, Mayor.

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Report of the City Treasurer

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TREASURER'S REPORT

Dr. HENRY O. PIERCE, City Treasurer

1913		
March 1. To cash on hand		$ 92,330 55
To cash rec'd of Collector of Taxes, for years 1903-1913 inclusive	$704,229 25	
To cash rec'd for Treasurer's notes discounted	290,000 00	
To cash rec'd for redemption of estates sold for taxes	5,711 40	
To cash rec'd from State of Me., for state pensions disbursed	2,175 00	
To cash rec'd of City Clerk, for dog licenses	912 00	
To cash rec'd of City Missionary, proceeds of Ball	200 00	
To cash rec'd for City Notes of Feb. 14, 10 mos.	60,000 00	
		$1,063,227 65
To cash rec'd for credits to the several departments exclusive of appropriations:		
Electrical	$ 6,826 38	
Fire	338 00	
Highway	5,791 88	
Incidental	63,140 86	
Interest	994 48	
Parks	173 75	
Pauper	5,874 94	
Police	4,922 07	
Public Library	750 00	
Schools	64,000 50	
Sewers	1,858 03	
Sprinkling	5,158 91	
Street Openings	324 57	
Water	91,414 00	
High School Construction	50 20	
		$251,618 57
		$1,407,176 77

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In account with the CITY OF BANGOR Cr.

1914			
Feb. 28. By Cash disbursed in the several departments and funds for the year 1913, per Mayor's Orders:			
Bridges	$ 20,608 50		
Buildings	4,467 83		
Electrical	40,584 58		
Fire	49,272 60		
Highway	129,521 57		
Incidental	63,404 08		
Interest	39,459 21		
Overlayings	19,227 59		
Parks	5,297 52		
Pauper	22,386 34		
Police	35,616 26		
Library	6,750 00		
Salary	17,562 53		
Schools	146,336 07		
High School Construction	209,783 98		
Sprinkling	11,947 42		
Sewers	15,673 38		
Water	80,267 07		
Water transferred to sinking fund	12,000 00		
Street Openings	174 31		
		$930,340	84
By cash paid Treasurer's notes	$290,000 00		
By cash paid purchasers of estates at tax sale, amount deposited for redemption	5,711 40		
By cash paid State pensions	4,674 00		
By cash paid dog licenses to State Treas	848 00		
By cash paid City Missionary	251 00		
By cash paid on acct. of permanent loan	5,000 00		
By cash paid County tax	23,483 56		
By cash paid State tax	121,117 98		
		$451,085	94
By cash on hand on deposit in banks	$ 14,681 50		
By cash in office, cash memoranda and pay rolls	11,068 49		
		$ 25,749	99
		$1,407,176	77

Respectfully submitted,

HENRY O. PIERCE, City Treasurer.

BANGOR, March 1, 1914.

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COLLECTOR'S REPORT

Dr. HENRY O. PIERCE, Collector of Taxes

1913

March 1. For balances of unpaid taxes for the following years, viz.:		
1903	$ 2,955 20	
1904	3,567 96	
1905	2,469 65	
1906	2,869 75	
1907	3,350 40	
1908	4,432 02	
1909	6,141 92	
1910	7,205 39	
1911	12,087 14	
1912	17,856 78	
		$ 62,936 21
Oct. 1. For commitment of tax for 1913, viz.:		
Bridge	$ 18,000 00	
Buildings	6,000 00	
Electric	22,000 00	
Fire	48,000 00	
Highway	65,000 00	
Incidental	10,000 00	
Interest	32,000 00	
Parks	4,000 00	
Library	6,000 00	
Pauper	17,000 00	
Police	28,000 00	
Salary	16,000 00	
Schools	72,500 00	
High School Construction	175,000 00	
Sprinkling	3,500 00	
Sewers	15,000 00	
Water	12,000 00	
County tax	23,483 56	
State tax	121,117 98	
Overlayings	20,136 31	
		$714,737 85

1914

Feb. 28. For supplementary taxes for years 1904 to 1913 inclusive	$ 826 13
Grand total	$778,500 19

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In account with the CITY OF BANGOR Cr.

1914

Feb. 28. By cash paid City Treasurer for tax collections for year ending Feb. 28, viz.:		
1903	$ 91 50	
1904	111 38	
1905	79 06	
1906	117 00	
1907	175 07	
1908	341 72	
1909	565 32	
1910	716 61	
1911	2,144 71	
1912	4,889 00	
1913	675,965 14	
		$685,196 51
By abatements allowed by the Assessors, for years 1903-1913 inclusive	$ 19,227 59	
Less repaid to tax payers	194 85	
		$ 19,032 74
By balances carried forward to new account, viz.:		
1903	$2,840 70	
1904	3,437 89	
1905	2,363 59	
1906	2,717 75	
1907	3,121 15	
1908	4,029 12	
1909	5,461 92	
1910	6,381 06	
1911	9,531 60	
1912	12,482 95	
1913	21,903 21	
		$ 74,270 94
		$778,500 19

Respectfully submitted,

HENRY O. PIERCE, Collector.

BANGOR, March 1, 1914.

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Statement of the Standing of Funds for the Year 1913

Departments	Appropriations and Credits	Amount Expended	Amount Overdrawn	Amount Unexpended
Bridge	$ 18,000 00	$ 20,608 50	$ 2,608 50	
Buildings	6,000 00	4,467 83		$1,532 17
Electric	28,826 38	40,584 58	11,758 20	
Fire	48,338 00	49,272 60	934 60	
Highway	70,791 88	129,521 57	58,729 69	
Incidental	73,140 86	63,404 08		9,736 78
Interest	32,994 48	39,459 21	6,464 73	
Library	6,750 00	6,750 00		
Parks	4,173 75	5,297 52	1,123 77	
Pauper	22,874 94	22,386 34		488 60
Police	32,922 07	35,616 26	2,694 19	
Salary	16,000 00	17,562 53	1,562 53	
Schools	136,500 50	146,336 07	9,835 57	
High Sch. Cons.	175,050 20	209,783 98	34,733 78	
Sewers	16,858 03	15,673 38		1,184 65
Sprinkling	8,658 91	11,947 42	3,288 51	
*Water	103,414 00	92,267 07		11,146 93
Overlayings	20,136 31	19,227 59		908 72
Street Openings	324 57	174 31		150 26
	$821,754 88	$930,340 84	$133,734 07	$25,148 11

*Transferred to sinking fund $12,000 00

SINKING FUND

1913			
Feb. 28.	Balance on hand	$ 27,494 57	
1914			
Feb. 28.	Amount transferred from water dept.	12,000 00	
	Interest	85 09	
			$39,579 66

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Statement of Bonded Indebtedness

For Purpose Issued	Date Issued	Date Due	Nos. of Bonds	Denominations	Amount	Rate
		serial				
Municipal	Nov. 2, 1912	1913–1922	1–50	$1,000	$ 45,000	4%
"	May 1, 1893	Nov. 1, 1914	1–100	1,000	100,000	4%
"	Aug. 1, 1908	Aug. 1, 1928	1–125	1,000	125,000	4%
"	Aug. 1, 1911	Aug. 1, 1931	1–250	1,000	250,000	4%
Water.....	July 1, 1905	July 1, 1935	1–450	1,000	450,000	4%
"			451–550	500	50,000	4%
		serial				
"	Aug. 1, 1910	1912–1917	31–70	1,000	40,000	4%
					$1,060,000	

Assessed Valuation of Estates in the City of Bangor, 1913

Real estate of resident owners.....	$16,070,200	
Real estate of non-resident owners.....	1,571,449	
		$17,641,649
Personal estate of resident owners.....	$5,896,651	
Personal estate of non-resident owners.....	396,005	
		$6,292,656
Total.....		$23,934,305
Increase over 1912, $437,377.00.		
No. of polls, 6881.		
Value of land estate.....	$6,174,577 15	
Value of buildings.....	11,467,071 85	
		$17,641,649 00

Statement of Dues to the City, March 1, 1914

Cash on hand.....	$25,749 99	
Uncollected taxes.....	74,270 94	
Uncollected sewer assessments.....	10,662 35	
Sinking fund.....	39,579 66	
		$150,262 94

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Trust Funds

Bangor Fuel Society	4 and 6%	$ 4,500 00
Home for Aged Women	6 %	25,000 00
Bangor Children's Home	6 %	40,000 00
Bangor Mechanic's Asso	6 %	12,000 00
Wakefield Fund	4½%	10,000 00
Fireman's Relief Fund	6 %	5,534 15
Holton Medal Fund	5 %	2,000 00
French Medal Fund	5 %	4,750 00
Hersey Fund	4 %	100,000 00
Stetson Fund	5 %	12,000 00
		$215,784 15
Fogg Fund B. & A. R. R. 5% bond, interest for use of City Missionary		1,000 00

Statement of Interest on Bonds and Trust Funds

Municipal loan due May and Nov., 1914	$ 5,800 00
Municipal loan due Aug. 1914 and Feby., 1915	5,000 00
Municipal loan due Aug., 1914 and Feby., 1915	10,000 00
Water loan due July, 1914 and Jany., 1915	20,000 00
Water loan due Aug., 1914 and Feby., 1915	1,600 00
Bangor Fuel Society due Jany., 1915	200 00
Home for Aged Women, due April and Oct., 1914	1,500 00
Bangor Children's Home, due July, 1914 and Jany., 1915	2,400 00
Bangor Mechanic Asso., due Mch. and Sept., 1914	720 00
Wakefield Fund, due July, 1914 and Jany., 1915	450 00
Arrears on same	100 00
Holton Medal Fund, due June, 1914	100 00
French Medal Fund, June, 1914	237 50
Stetson Fund, due 1914, for City Missionary	600 00
Hersey Fund, due quarterly	4,000 00
Firemen's Relief Fund, as called for to Mch. 1, 1915	332 04
Arrears on same	310 26
	$53,349 80

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Recapitulation of Liabilities and Assets

Bonded indebtedness	$1,060,000 00
Trust Funds	215,784 15
Temporary notes	60,000 00
	$1,335,784 15
Less Cash and accounts due City	150,262 94
	$1,185,521 21

Valuation of City Property, Real and Personal

Water Works, Stand Pipe, Dam, Mains, etc	$1,550,000 00
Hersey Memorial Building and Lot	200,000 00
Schoolhouses and Lots	750,000 00
City Stable and Land	15,000 00
City Parks	150,000 00
Almshouse and Farm	60,000 00
Hose Houses and Lots	85,000 00
Old Post Office Lot	15,000 00
Old Norombega Lot	10,000 00
Electric Station and Lot, York St	15,000 00
	$2,850,000 00
Steam Fire Engines, Hose and Ladder Trucks, Horses, Hose, etc., Fire Dept	$30,000 00
Horses, Harnesses, Steam Roller, Stone Crusher, etc., Highway Dept	25,000 00
	$55,000 00

Real Estate Purchased in 1913

T. Lawson and Als., land for new street	$1,250 00
Mina Jarvis, buildings and land Summit Park	2,250 00
	$3,500 00

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Report of the Commissioners of the Sinking Fund

To the City Council:

In accordance with Sec. 4 of the City Ordinance creating a sinking fund the Commissioners herewith respectfully submit their twenty-third annual report.

The present Board received from their predecessors one European and North American R. R. Co. bond of $1,000, due January 1st, 1894, and unpaid coupons attached due prior to January, 1883, amounting to $420.00 as described in the annual report of March 1st, 1913.

In accordance with Sec. 8, chapter 56, of City Ordinances there has been transferred from the Water Department account to the Sinking fund account the sum of $12,000.00.

F. O. BEAL,
JOS. E. FRIEND,
JOHN G. UTTERBACK,
H. O. PIERCE,
Commissioners of the Sinking Fund.

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Receipts and Expenditures

OF THE

CITY OF BANGOR

For the Municipal Year Ending March 1, 1914

Compiled Under Directions of the Mayor, Agreeably to an Order of the City Council

BRIDGES

RECEIPTS

Amount of appropriation	$ 18,000 00	
Amount overdrawn	2,608 50	
		$20,608 50

EXPENDITURES

T. J. O'Leary, watchman at Bangor & Brewer bridge	$ 722 25	
Thos. McNamara, same	722 25	
J. P. Beck, same	56 30	
D. J. Nason, labor on bridges	34 56	
W. R. Witham, same	53 75	
W. F. Tefft, same	4 99	
E. F. Pooler, same	7 50	
H. G. Jordan, same	13 25	
		$1,614 85
John Grady & Son, extension to Bangor & Brewer bridge pier	$ 1,356 00	
W. F. Sawyer & Co., paving B. & B. bridge	4,309 99	
Canton Bridge Co., approach spans to B. & B. bridge	7,708 50	
Amounts carried forward	$13,374 49	$1,614 85

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Amounts brought forward	$13,374 49	$1,614 85
W. E. Fish, work on B. & B. bridge approach	2,143 77	
E. E. Greenwood, making plans and specifications	350 00	
		$15,868 26
W. F. Sawyer & Co., work on Central St. bridge	$ 104 88	
Bangor Granite Co., labor and material	29 63	
Queen City Granite Co., same	10 83	
J. T. Carter, carpentry	86 16	
C. W. & F. L. Bradley, same	219 35	
F. L. Bradley, same	16 75	
W. A. Crocker, same	204 00	
J. M. Grant, same	29 38	
Penobscot Machinery Co., iron work	76 24	
Union Iron Works, same	6 46	
F. O. Matheson, painting	120 43	
A. N. Merryman, labor and pitch	75 37	
Morse & Co., lumber	696 84	
J. C. Wilson, same	605 75	
Penobscot Lumber Co., same	42 72	
C. Woodman Co., same	68 62	
H. F. Andrews, same	47 35	
Rice & Miller Co., hardware	16 86	
Haynes & Chalmers Co., same	18 04	
N. H. Bragg & Sons, same	3 34	
W. P. Dickey & Co., same	90	
		$ 2,479 90
J. L. Cosmey, stove	$ 19 00	
Hincks Coal Co., coal	3 02	
Connor Coal & Wood Co., wood	14 65	
R. Hickson & Sons, oil	57	
Leighton Plumbing Co., hose pipe	1 00	
C. H. Babb & Co., plumbing	22 12	
M. Lynch & Co., locks	40	
One Hundred Associates, gravel	8 80	
Ridley Transfer Co., trucking	50	
M. Adams, same	1 00	
Amounts carried forward	$71 06	$19,963 01

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Amounts brought forward	$71 06	$19,963 01
H. A. Day, same	27 00	
M. Hughes, rent of land	40 00	
W. H. Russell, moving building	60 00	
		$ 198 06
Freeland, Mann Co., insurance	$ 42 00	
W. F. Curran, same	44 76	
E. H. Carter, same	84 00	
H. T. Gallagher, same	84 00	
H. Lord & Co., same	42 00	
Pearl & Dennett Co., same	42 00	
Bangor Publishing Co., advertising	59 97	
Engineering and Contracting, same	10 80	
Engineering News, same	18 90	
Municipal Journal, same	6 00	
M. E. Stairs, typewriting	11 25	
L. B. Raynes, same	1 75	
		$ 447 43
		$ 20,608 50

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BUILDINGS

RECEIPTS

Amount of appropriation	$6,000 00

EXPENDITURES

J. M. Grant, carpentry	$ 37 76
Melvan Tebbetts, same	549 49
F. L. Bradley, same	43 60
Cowan & McCarthy, same	281 30
C. F. Foster, same	6 78
M. H. Lancaster, same	2 82
L. W. Cutter, same	40 46
E. B. Eastman, same	50 43
J. B. Finn, roofing	138 64
C. H. Babb & Co., plumbing	178 41
E. F. Kelley & Sons, same	138 41
J. H. McAuley, same	2 20
McAuley & Kennedy, same	879 00
R. E. Carter Co., same	7 95
Me. Plumbing Co., same	113 14
Leighton Plumbing & Heating Co., same	134 74
W. E. Givren, masonry	20 00
J. M. Norris Co., same	58 87
W. E. Fish, same	12 15
R. B. Dunning & Co., cement	16 29
A. R. Hopkins, same	8 66
M. Hughes, gravel	12 25
Morse & Co., lumber	458 31
C. Woodman Co., same	202 78
J. C. Wilson, same	7 20
H. F. Andrews, same	5 70
Lowell & Engel, same	32 14
A. L. Rice, paint	11 25
W. P. Dickey & Co., hardware	46 77
Haynes & Chalmers Co., same	39 98
Amount carried forward	$3,537 48

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Amount brought forward	$ 3,537 48	
Rice & Miller Co., same	176 97	
N. H. Bragg & Sons, same	41	
Louden Machy. Co., barn repairs, almshouse	78 87	
W. H. Pritchard, repairing stoves	8 50	
J. Mason & Sons, iron work	17 85	
Penobscot Mach'y Co., same	3 99	
M. Lynch & Co., locks and keys	3 35	
F. E. Eldridge Co., painting	8 02	
M. F. Hines, labor	475 00	
D. F. McCarthy, labor and materials	50 75	
Queen City Granite Co., same	45 46	
Smith & West, electrical supplies	1 05	
C. M. Conant Co., pump handles	1 13	
Bangor Co-Operative Ptg. Co., printing	9 75	
Furey Fransfer Co., trucking	2 00	
J. McCarthy, same	3 50	
J. F. Green, same	3 75	
M. Kane, team hire	40 00	
		$ 4,467 83
Unexpended balance		$ 1,532 17
		$ 6,000 00

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ELECTRIC

RECEIPTS

Amount of appropriation	$ 22,000 00	
Amount received from Chamber of Commerce, on account new street lights	450 00	
Amount received from Public Library, for labor and material	930 74	
Amount received from Fire Dept., for same	306 11	
Amount received from Highway Dept., for same	1,712 53	
Amount received from Incidental Dept., for same	121 79	
Amount received from Pauper Dept., for same	69 76	
Amount received from Police Dept., for same	403 68	
Amount received from School Dept., for same	2,597 45	
Amount received from Water Dept., for same	78 44	
Amount received from L. Kirstein & Sons for street lights post	50 00	
Amount received from G. H. Wilbur & Son,	39 93	
Amount received for wagon sold	25 00	
Amount received for junk sold	40 95	
	$28,826 38	
Amount overdrawn	11,758 20	
		$40,584 58

EXPENDITURES

R. N. Bicknell, City Electrician	$1,200 00	
A. O. White, engineer	1,020 00	
L. P. Moore, stationman	124 85	
P. S. Sullivan, same	120 00	
R. W. Thayer, same	939 07	
H. Pendleton, same	858 25	
J. A. Bicknell, same	760 50	
John Murphy, same	314 82	
D. F. Sexton, same	799 00	
Amount carried forward	$6,136 49	

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Amount brought forward	$ 6,136 49	
Murray Gallupe, stationman and inside wireman	931 50	
J. E. Logan, inspector	925 49	
J. C. Doherty, lineman	879 95	
J. C. Colbath, same	749 24	
James Griffin, same	838 30	
John Conroy, same	834 57	
J. S. McKinnon, same	96 70	
H. M. Grant, same	236 66	
W. Spencer, same	239 53	
A. L. Crosby, same	65 25	
C. Reeves, same	67 50	
Fred McDonald, trimmer	940 00	
		$ 12,941 18
City Treasurer, paid sundry men for labor, installing Main St. lights	1,226 53	
J. M. Ward, mason work on same	181 00	
		$ 1,407 53

SUPPLIES

Bryan, Marsh Co.	$ 293 56	
Dole Co.	2,740 37	
Gamewell Tel. Co.	312 42	
General Electric Co.	4,585 53	
Johns-Manville Co.	357 46	
J. Lucas & Co.	2 05	
Lombard Governor Co.	66 78	
McLean-Jones Oil Co.	117 55	
Manning, Loeb Co.	7 90	
Pettingill-Andrews Co.	1,824 12	
Platt Iron Works Co.	93 63	
A. A. Robinson	59 95	
L. P. Swett	11 60	
Ward, Druett & Foster	75 28	
Westinghouse Electric Co.	600 41	
Western Electric Co.	1,874 79	
Wetmore, Savage Co.	5,468 99	
Amounts carried forward	$18,492 39	$14,348 71

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Amount brought forward	$18,492 39	$14,348 71
American LaFrance Co	24 00	
J. N. V. Lane	53 62	
J. A. Roeblings Co	210 04	
Westinghouse Lamp Co	144 69	
Holzer Cabot Co	32 53	
C. E. Pendleton	51 17	
Smith & West	22 40	
National Carbon Co	146 31	
Standard Oil Co	153 70	
Vacuum Oil Co	12 50	
Young & Kimball	150 35	
Stewart Howland Co	102 94	
McLeod & Henry Co	30 00	
Richardson-Phoenix Co	16 80	
L. E. Frorup & Co	30 99	
Lundin Machine Co	59 50	
E. C. Lewis	138 05	
Holmes Met. Packing Co	13 50	
Sanitary Rag Co	129 49	
W. E. Smith Co	4 00	
M. S. Okum	50 85	
		$20,069 82
S. Morgan Smith Co., friction clutch	662 00	
N. H. Bragg & Sons, hardware	358 62	
Haynes & Chalmers Co., same	81 38	
W. P. Dickey & Co., same	82 22	
M. Schwartz Sons, same	139 86	
Rice & Miller Co., same	29 94	
Bangor Motor Co., auto repairs	23 35	
R. B. Dunning & Co., pipe, valves, etc	221 91	
Snow & Nealley Co., blocks	37 86	
Wood & Bishop Co., stove bolts	1 34	
Union Iron Works, iron work	167 86	
Penobscot Machine Co., same	307 16	
T. F. Cassidy & Son, same	3 70	
J. Mason & Son, same	10 10	
Amounts carried forward	$2,127 30	$34,418 53

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Amounts brought forward	$ 2,127 30	$34,418 53
C. E. Welch, horseshoeing, etc	56 32	
J. M. Ward, masonry	29 20	
L. W. Cutter, carpentry	73 67	
Maine Plumbing Co., plumbing	145 45	
Fairbanks Bros., same	2 15	
A. R. Hopkins Co., cement	80 55	
C. Woodman Co., lumber	11 11	
Morse & Co., same	139 17	
Getchell Bros., brick	60 00	
Bangor Brick Co., same	20 00	
G. B. Derby Co., sand and gravel	109 00	
Stickney & Babcock Coal Co., coal	353 14	
Hincks Coal Co., same	1,142 91	
Connor Coal & Wood Co., wood	12 00	
W. C. Bryant, street light post	49 00	
		$ 4,410 97
J. N. Towle & Co., grain	75 13	
Eastern Grain Co., same	2 60	
Swett & Co., same	14 87	
W. H. White, hay	10 35	
L. G. Banks, same	17 05	
Chas. Andrews, same	12 77	
G. F. Cameron, straw	1 08	
Utterback-Gleason Co., pung and harness supplies	36 63	
Berry & Smith, repairing horse blankets	3 00	
J. N. Wilshire, jigger	65 00	
Madden Harness Co., straps	2 20	
		$ 240 68
J. H. Boyd, insurance	$81 12	
L. Kirstein & Sons, same	13 56	
J. M. Bright, same	31 75	
Baker & Hodge, same	7 00	
Henry Lord & Co., same	13 50	
Pearl & Dennett Co., same	7 00	
Pember & Carter, same	27 50	
Amounts carried forward	$181 43	$ 39,070 18

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Amounts brought forward	$181 43	$39,070 18
W. W. Palmer, same	25 00	
C. M. Stewart, same	14 50	
H. T. Gallagher, same	16 20	
J. F. Singleton, same	18 00	
J. C. Wilson, same	13 50	
Columbia Towel Supply Co., service	12 00	
N. E. Tel. & Tel. Co., same	177 35	
Bangor Gas Lt. Co., same	6 07	
Bangor Ry. & Elec. Co., current	41 88	
W. H. Earle, rubber stamps	1 55	
W. U. Tel. Co., telegrams	1 86	
Postal Telegraph Co., same	12 81	
Bass Publishing Co., advertising	1 30	
E. F. Dillingham, books and stationery	12 20	
W. C. Bryant, repairing clock	4 00	
R. N. Bicknell, postage	1 35	
Bangor Co-Op. Printing Co., printing	78 00	
Bangor Window & Sign Cleaning Co., service	5 25	
R. N. Bicknell, use of auto for year	150 00	
Am. Express Co., express	56 46	
Atlantic Express Co., same	12 80	
Eastern S. S. Co., freight	174 46	
M. C. R. R. Co., same	158 21	
M. Kane, team hire	27 00	
G. B. Derby Co., trucking	178 05	
C. A. Curtis, same	2 50	
Guy V. Smith, same	1 75	
J. F. Green, horse hire	10 00	
		$ 1,395 48
J. F. Fleming, soap and soap powder	$ 4 25	
D. J. McGrath, same	14 75	
R. Hickson & Sons, oil	1 35	
F. L. Frank & Co., same	4 92	
Thomas White, soap	1 10	
Bangor Broom Co., brooms	5 65	
P. H. Vose Co., cuspidors	3 35	
Amounts carried forward	$35 37	$ 40,465 66

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Amounts brought forward	$35 37	$40,465 66
Citizens Ice Co., ice	20 10	
J. H. Russell, lunches	1 25	
Goode & Driscoll same	39 25	
C. Sweet Co., supplies	2 20	
Essex Pharmacy, same	3 80	
A. Taylor, same	3 50	
Queen City Granite Co., labor	6 00	
C. M. Bragdon, repairs	2 50	
J. I. Barnes, same	70	
A. Pfaff, same	75	
Moon & Cratty, board of E. S. McInery	3 50	
		$ 118 92
		$ 40,584 58

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FIRE

RECEIPTS

Amount of appropriation	$ 48,000 00	
Amount received for licenses	45 00	
Amount received for dressing	143 00	
Amount received from sale of horse	150 00	
	$ 48,338 00	
Amount overdrawn	934 60	
		$ 49,272 60

EXPENDITURES

W. S. Mason, chief engineer, salary	$ 1,200 00	
P. J. Kelley, district chief, at $2.35 per day	860 10	
J. F. Granville, district chief, same	860 10	
E. S. Fogg, district chief, same	860 10	
		$ 3,780 30
City Treasurer, paid permanent men at $2.25 a day	$22,879 25	
Same, paid night men at $10 a month	1,425 00	
Same, paid call men, Hose 1	1,329 10	
Same, paid call men, Hose 2	937 82	
Same, paid call men, Hose 3	1,199 50	
Same, paid call men, Hose 4	935 50	
Same, paid call men, Hose 5	1,118 75	
Same, paid call men, Hose 6	1,015 91	
Same, paid call men, Hook and Ladder	1,448 33	
		$ 32,289 16
Eureka Fire Hose Co., hose	$ 1,125 00	
Boston Hose & Rubber Co., same	8 50	
Am. La France Engine Co., supplies	322 17	
Robert Carlton Co., same	14 77	
Vulcan Mfg. Co., same	2 50	
J. E. Finnigan, same	58 15	
J. M. Hardy, same	11 75	
Amounts carried forward	$1,542 84	$36,069 46

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Amounts brought forward	$1,542 84	$36,069 46
Globe Mfg. Co., same	10 08	
O. F. Kress & Son, same	8 00	
H. I. Dallman, same	18 00	
John Lucas & Co., same	2 00	
Portland Supply Co., same	4 00	
A. H. Perley, same	10 00	
N. H. Bragg & Sons, wagon wheels, etc	82 13	
R. B. Dunning & Co., scales, snowshovels, etc.	61 99	
Bangor Gas Lt. Co., water heater and gas service	443 17	
Adams Dry Goods Co., rubber coats and bedding	169 19	
Brown & White Co., brooms, etc	27 07	
Bangor Broom Co., brooms	8 50	
Gardner Broom Co., same	23 75	
J. Waterman Co., rubber coats, etc	147 54	
Hodgkins & Fiske Co., beds, mattresses, etc.	91 80	
		$ 2,650 06
C. W. Morse, horses		$ 375 00
J. Frank Green, hay and straw	835 01	
Hugh Jameson, same	18 30	
G. W. Worster, same	28 75	
G. L. Moor & Son, same	123 36	
F. F. Rich, same	43 65	
J. F. Spellman & Sons, same	1,063 36	
A. M. Bean, same	56 94	
G. F. Cameron, same	221 32	
B. H. Meyhaw, same	17 67	
Earl Weiler, same	230 21	
Pauper Dept., same	53 48	
		$ 2,692 05
J. N. Towle & Co., grain	$ 258 14	
W. A. Jennison, same	101 80	
Eastern Grain Co., same	490 37	
A. R. Hopkins Co., same	427 57	
James Milliken, same	176 35	
Amounts carried forward	$1,454 23	$41,786 57

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Amounts brought forward	$1,454 23	$41,786 57
Swett & Co., same	267 04	
		$ 1,721 27
M. J. Madden Co., harness supplies	203 25	
Hill & Hill, same	62 50	
C. M. Conant Co., same	13 13	
P. T. Dugan & Co., same	3 75	
Utterback Bros. Co., same	2 50	
Utterback-Gleason Co., same	4 00	
		$ 289 13
Leighton, Leland & Grant, horseshoeing	$ 430 25	
E. McKenney, same	96 80	
Murphy & Lewis, same	42 50	
White & Winchester, same	119 75	
C. L. Murphy, same	42 00	
		$ 731 30
A. L. Murch, veterinary	$ 82 10	
C. F. Dwinal, same	13 75	
R. E. Freeman, same	4 50	
Ame & Co., horse medicine	2 50	
J. P. McCosker, ointment	90 00	
Houlihan's Pharmacy, drugs	5 35	
Curtis & Tupper, same	34 53	
Essex Pharmacy, same	4 35	
Buckley Drug Co., same	25	
H. K. Priest, same	9 10	
C. Sweet Co., same	52 40	
C. M. Brown, same	4 65	
H. C. Haynor Co., disinfectant	27 00	
West Disinfectant Co., same	62 50	
Sanitas Co., same	30 00	
Standard Oil Co., oil and disinfectant	67 50	
		$ 490 48
John Mason & Son, repairs to apparatus	$ 628 34	
J. B. Atkinson, same	29 95	
Penobscot Machine Co., same	78 58	
Haynes & Chalmers Co., hardware	54 31	
Amounts carried forward	$791 18	$45,018 75

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Amounts brought forward	$791 18	$45,018 75
W. P. Dickey & Co., same	6 71	
Rice & Miller Co., same	343 80	
Snow & Nealley Co., rope, etc	44 99	
The Dole Co., batteries	10 82	
Stickney & Babcock Co., coal	222 24	
Hincks Coal Co., same	886 10	
O. E. Wasgatt, same	10 00	
Connor Coal & Wood Co., wood	5 00	
J. F. Angley & Co., same	11 00	
Electrical Dept., labor and material	306 11	
M. J. Cochrane, labor	20 25	
John Hennessy, same	20 25	
Ward & Clough, masonry	67 40	
H. J. McCarthy, carpentry	1 40	
E. L. Gatchell, same	1 10	
C. Woodman Co., lumber	15 47	
Morse & Co., same	17 16	
Bacon & Robinson Co., wood	7 50	
		$ 2,788 48
Armour & Co., soap powder	$ 33 00	
F. S. Jones & Co., oil and matches	18 51	
H. E. McDonald, same	4 12	
W. D. Matheson, same	75	
J. F. Fleming, same	2 95	
A. F. Anderson, same	85	
C. Hayward & Co., toilet paper, etc	5 50	
T. R. Savage Co., same	31 45	
P. H. Vose Co., soap racks	40	
A. P. Trask, clock	6 00	
Mulvaney Bros., canvas covers	7 30	
G. I. Wescott & Son, brooms, etc	10 05	
Citizens Ice Co., ice	24 00	
Getchell Bros., same	28 00	
Bangor Ice Co., same	79 54	
C. H. Babb & Co., flue brushes	2 75	
G. McKenney, filing saws	60	
Amounts carried forward	$255 77	$47,807 23

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Amounts brought forward	$255 77	$47,807 23
Frank Ryan, repairing harness	18 75	
		$ 274 52
N. E. Tel. & Tel. Co., service	105 05	
Columbia Towel Supply Co., same	66 60	
Bangor Laundry Co., laundry work	72 25	
Porter-Parsons Co., same	172 84	
Bangor Co-Operative Printing Co., printing	51 50	
Bangor Publishing Co., advertising	8 50	
Bass Publishing Co., same	8 23	
W. H. Gorham, lettering coats	13 48	
Modern Shoe Rep. Co., repairing rubber coats	68 15	
Noyes & Nutter Mfg. Co., water cooler, etc.	2 80	
Scarboro Co., map	1 95	
Frey Bros., lunches	16 00	
Rialto Restaurant, lunches	5 90	
American Express Co., express	6 65	
Atlantic Express Co., same	1 30	
M. Hughes, trucking	7 75	
G. B. Derby Co., same	2 00	
Furey's Transfer, same	1 00	
James McCarthy, same	1 75	
Eastern S. S. Co., freight	2 18	
M. C. R. R. Co., same	10 63	
H. C. Young, auto hire	2 00	
L. P. Moore, same	5 00	
James McLeod, damage to auto	8 77	
		$ 642 28
Levy Bros., sponges	$ 17 50	
McLean Jones Oil Co., oil	12 50	
L. Sonnebonne & Sons, metal polish	19 50	
Somerville Brush Co., brushes	10 00	
Wood & Bishop Co., stove pipe	2 43	
C. G. Braxmar Co., badges	90	
H. M. Sawyer, rubber coats	15 00	
Miller & Webster Co., buttons	18 25	
M. Schwartz Sons, hose	9 28	
S. L. Crosby Co., flashlight	1 50	
Amounts carried forward	$106 86	$48,724 03

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Amounts brought forward	$106 86	$48,724 03
Niagara Co., same	3 24	
Union Iron Works, cotton waste	12 15	
Bangor Mattress Co., mattresses	53 50	
J. L. Cosmey, repairs	35	
Edward Jordan, same	50	
Holt & Kendall, same	25	
D. F. McCarthy, labor	62 00	
W. S. Mason, for care of horse	54 50	
Bangor W. & S. Cleaning Co., service	6 38	
Dr. D. W. Bunker, medical service for Otis Gray	25 00	
		$ 324 73
W. W. Palmer, insurance	3 84	
Pember & Carter, same	60 00	
H. T. Gallagher, same	60 00	
W. S. Mason, for expenses to convention	100 00	
		$ 223 84
		$ 49,272 60

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HIGHWAY

RECEIPTS

Amount of appropriation	$ 55,000 00	
Amount of appropriation for permanent work	10,000 00	
		$ 65,000 00
Amount received from State of Maine for State road		2,601 26
Amount received for concrete work		953 09
Amount received from crushed rock, curbing, etc		610 14
Amount received from hogs sold		120 46
Amount received from C. M. Foster, for tar rock		495 95
Amount received from Thomas Murray, for same		933 24
Amount received from James Laffey, for same		77 74
		$ 70,791 88
Amount overdrawn		58,729 69
		$129,521 57

EXPENDITURES

F. O. Beal, Street Commissioner, salary	$1,200 00	
W. D. Matheson, street engineer	100 00	
H. A. Kelley, same	50 00	
		$ 1,350 00
City Treasurer, paid foreman at $75 per month	$ 887 50	
Same, paid clerk at $2.25 per day	849 75	
Same, paid sundry men for labor, $1.75 and $2.00 per day	$ 36,705 16	
Same, paid crusher crew, $2.00 and $2.50 per day	3,975 51	
Same, paid teamsters at $52.00 per month	6,245 50	
		$ 48,663 42
Amount carried forward		$50,013 42

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Amount carried forward		$50,013 42
Fred Cort, labor of men and teams	$ 82 22	
R. C. Eveleth, same	367 61	
P. J. Nelligan, same	86 00	
H. O. Wilson, same	356 78	
F. R. Fuller, same	193 98	
H. I. Frost, same	139 82	
E. H. Lewis, same	116 38	
C. H. Morrison, same	147 99	
W. F. Richards, same	273 30	
A. H. Robinson, same	55 65	
F. D. Richardson, same	40 91	
C. A. York, same	17 25	
C. C. Sanford, same	133 30	
L. V. Wright, same	222 00	
G. A. Gray, same	326 10	
Guy Hathorn, same	7 83	
E. C. Smith, same	21 50	
J. Frank Green, same	61 00	
G. B. Derby Co., same	9 00	
M. Hughes, same	298 69	
		$ 2,957 31
W. B. Goodwin, granite	381 50	
T. M. Blaisdell, same	1,487 64	
David Brown, same	555 50	
Bangor Granite Co., granite and labor	2,618 92	
W. E. Fish, setting curbing	144 22	
John Grady & Son, same	329 60	
		5,517 38
Barrett Mfg. Co., tar rock	$ 1,408 18	
Thomas Murray, laying concrete sidewalks	5,724 01	
C. M. Foster, same	2,702 26	
F. T. Casey, same	801 85	
J. J. Laffey, same	290 41	
M. Hughes, gravel and sand	1,187 00	
A. H. Towle, same	60 05	
D. C. Farrington, same	191 80	
Amounts carried forward	$12,365 56	$58,448 11

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Amounts brought forward	$12,365 56	$58,488 11
C. Marcho, same	3 90	
Perry Barnes, same	155 50	
Bangor Ry. & Elec. Co., same	1,014 00	
J. M. Gilman, estate, same	48 50	
M. Shannon, same	102 00	
A. Herrick, same	84 20	
		$ 13,773 66
Acme Road Machinery Co., supplies and repairs	$ 540 35	
N. E. Road Machinery Co., same	60 00	
N. H. Bragg & Sons, same	146 64	
Snow & Nealley Co., same	104 57	
R. B. Dunning & Co., same	277 44	
C. M. Conant Co., same	13 75	
T. F. Cassidy & Son, same	19 45	
J. H. Babcock, same	13 00	
Good Roads Mach. Co., same	9 00	
Penn. Metal Co., culvert	106 13	
M. Shannon, iron work	101 45	
Union Iron Works, same	29 08	
Penobscot Mach. Co., same	277 96	
R. D. McNeil, same	12 10	
C. P. Fessenden, same	3 50	
Peavey Mfg. Co., same	72 30	
J. B. Atkinson, same	32 05	
Water Dept., pipe	18 00	
		$ 1,836 77
Electrical Dept., installing 50 H. P. motor, etc	$ 1,712 53	
Penobscot Garage Co., auto truck	3,930 00	
Same, gasoline and oil	82 95	
A. J. Shorey, same	187 30	
A. B. Purington, same	10 72	
Standard Oil Co., oil	18 00	
A. W. Bean, repairing auto truck	170 14	
Goodyear Rubber Co., block tires for auto truck	413 92	
		$ 6,525 56
Amount carried forward		$80,624 10

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Amount brought forward		$80,624 10
M. Hughes, horses	$ 550 00	
M. Willey & Son, same	1,100 00	
		$ 1,650 00
W. A. Jennison, grain	$ 468 80	
Jas. Milliken, same	270 51	
A. R. Hopkins Co., same	454 39	
Swett & Co., same	1,005 63	
Eastern Grain Co., same	240 40	
A. H. Thaxter & Co., same	285 92	
J. N. Towle & Co., same	289 06	
		$ 3,014 71
G. F. Cameron, hay	$ 140 41	
H. Griffin, same	9 35	
G. A. Hill, same	16 75	
G. W. Weiler, same	724 19	
M. B. Blaisdell, same	85 76	
C. F. Eames, same	51 88	
G. L. Moor & Son, same	13 17	
E. M. Dysart, same	6 74	
G. A. Hersey, same	27 34	
J. F. Spellman & Sons, same	535 43	
A. McMullen, same	54 55	
M. Willey & Son, same	169 46	
J. L. Ellingwood, same	26 34	
Chas. H. King, same	323 45	
Pauper Dept., same	315 96	
H. I. Frost, same	123 83	
		$ 2,624 71
N. Drew, horseshoeing	$ 278 00	
Leighton, Leland & Grant, same	394 65	
C. E. Welch, same	12 43	
White & Winchester, same	50 00	
F. L. Peavey, same	9 60	
C. A. Murphy, same	52 25	
H. F. Williams, same	21 45	
L. G. Heal, same	7 00	
Amounts carried forward	$825 38	$87,913 52

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Amounts brought forward	$825 38	$87,913 52
E. McKenney, same	8 00	
W. L. Graffam, hoof ointment	30 00	
J. Lesure, horse medicine	22 00	
C. Sweet Co., drugs	1 50	
Curtis & Tupper, same	10 03	
C. M. Brown, same	4 40	
A. L. Murch, veterinary	7 25	
C. F. Dwinal, same	32 00	
Frank Ryan, harnes supplies	482 90	
Utterback Bros., same	129 00	
Madden Harness Co., same	22 70	
Edward Jordan, same	18 75	
Utterback-Gleason Co., same	60 21	
Mrs. H. W. Woodbury, repairing blankets	20 00	
S. D. Ames, horse collars	7 50	
		$ 1,681 62
Stickney & Babcock Coal Co., coal	$ 217 80	
Hincks Coal Co., same	814 96	
J. F. Angley & Co., wood	23 75	
Bacon & Robinson Co., same	3 00	
Penobscot Lumber & Box Co., lumber	3 10	
Sterns Lumber Co., same	59 44	
Morse & Co., same	764 50	
Haynes & Chalmers Co., hardware	226 04	
Rice & Miller Co., same	109 28	
W. P. Dickey & Co., same	4 60	
John Mason & Son, repairs to equipment	244 75	
H. B. Thoms, same	85 70	
M. H. Lancaster, carpentry	4 21	
J. M. Grant, same	17 63	
A. M. Townsend, masonry	61 41	
J. M. Ward, same	5 74	
Wood & Bishop Co., brick	4 25	
C. H. Babb & Co., plumbing	12 43	
		$ 2,662 59
Amount carried forward		$92,257 73

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Amount brought forward		$92,257 73
Adams Dry Goods Co., rubber coats	39 25	
Sawyer Boot & Shoe Co., rubber boots	20 48	
Arnold Shoe Co., same	15 42	
H. L. Bond Co., brooms	30 00	
Bangor Broom Co., same	1 93	
E. C. Nichols Dry Goods Co., duck	9 75	
Berry & Smith, same	1 25	
J. L. Cosmey, pails, dippers, etc	16 57	
F. S. Jones & Co., salt and matches	14 83	
W. H. Earle, stencils	1 50	
H. A. Furbish, lettering	6 00	
G. McKenney, saw filing	6 95	
J. I. Barnes, same	4 70	
Holt & Kendall, repairs	2 00	
W. L. Lacey, same	1 30	
A. Chapin & Co., sal soda	85	
Masury, Young Co., disinfectant	6 00	
Bangor Ice Co., ice	33 16	
		211 94
N. E. Tel. & Tel. Co., service	$ 15 60	
Columbia Towel Supply Co., same	16 40	
Bass Publishing Co., advertising	2 00	
Engineering News, same	18 00	
Bangor Publishing Co., same	11 97	
M. C. R. R. Co., freight	201 25	
Eastern S. S. Co., same	15 16	
A. L. Betterly, same	20 63	
E. J. Mitchell, same	20 62	
American Express Co., express	4 90	
W. D. Matheson, use of auto	10 00	
Pettingill-Andrews Co., electric heater	10 50	
E. F. Dillingham, office supplies	24 08	
Henry Lord & Co., insurance	27 40	
W. F. Curran, same	160 04	
		$ 558 55
John Grady & Son, paving Exchange St	$ 8,761 93	
Same, paving State St	11,182 95	
Amounts carried forward	$19,944 88	$93,028 22

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Amounts brought forward	$19,944 88	$93,028 22
Same, paving Hancock St	3,910 00	
Same, paving Harlow St	11,811 87	
		$ 35,666 75
E. C. Nichols Estate, ½ cost sidewalk construction	$ 65 00	
All Souls Cong. Church, same	297 82	
E. H. Blake, same	20 00	
Eastern Trust & Bkg. Co., same	50 00	
W. Y. Patch, Trustee, same	44 66	
W. J. Largay, same	21 80	
L. Kirstein & Sons, same	52 80	
J. Grady & Son, granolithic sidewalk, York St.	104 82	
Norcross Bros., same State St	60 70	
One Hundred Associates, ½ cost retaining wall, York and Oak St	109 00	
		$ 826 60
		$129,521 57

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INCIDENTAL

RECEIPTS

Amount of appropriation	$ 10,000	00
" received from State, for railroad and telegraph tax	44,689	36
" received for redemption of estates		
" sold for taxes	5,583	65
" received from State, on account of dog licenses	726	62
" received from State, for domestic animals	207	00
" received for rent of City Hall	1,430	00
" received for rent of municipal court room	1,000	00
" received for rent of armory	34	40
" received from W. W. Palmer, for office rent	400	00
" received from C. T. Hawes, for same	249	96
" received from Morse & Cook, for same	199	96
" received from John Appleton, for same	190	00
" received from G. E. Thompson, same	200	00
" received from J. T. Kelleher, for rent in Court St. building, 15 mos	125	00
" received from M. H. Lancaster, for rent in Court St. building	100	00
" received from State, for rent of armory	200	00
" received from sale of Jarvis house	555	00
" received from sale of brick	51	03
" received from sale of desk	10	00
" received from sale of grass	3	00
" received for fumigating	48	83
" received from Anti-Tuberculosis Society, for supplies	36	25
" received for service of writs	2	04
" received for telephone booth	81	56
Amount carried forward	$66,123	66

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Amount brought forward	$66,123 66	
" received for weighing machine	17 88	
" received from Chas. Gibbs, for strip of land on new street, Market to Center	260 02	
" received for taxes, accounts closed	269 35	
		$ 66,670 91
Amount received for lots, Mt. Hope cemetery	$ 95 00	
" received for lots, Oak Grove cemetery	20 00	
" received for lots, Pine Grove cemetery	35 00	
" received for lots, Maple Grove cemetery	20 00	
		$ 170 00
Amount received from Bangor Railway & Elec. Co., for permission to run wires across B. & B. bridge	80 00	
" received from N. E. Tel. & Tel. Co., for same	80 00	
" received from Bangor Railway & Elec. Co., street railway franchise from Aug. 2, 1912 to Aug. 2, 1914	5,600 00	
		$ 5,760 00
Amount received for licenses, as follows, viz.:		
Employment agencies	$ 175 00	
Opera House	50 00	
Palace Theatre	50 00	
Bijou Theatre	50 00	
Nickel Theatre	50 00	
Graphic Theatre	50 00	
Billiards	40 00	
Peddlers	60 00	
Auctioneers	12 00	
		$ 537 00
		$ 73,137 91
Refund on Mayors' Orders		2 95
		$ 73,140 86

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EXPENDITURES

ASSISTANT ASSESSORS

M. Goodkowsky,	Ward I	$ 104 63	
W. M. Thompson,	Ward II	121 50	
C. A. York,	Ward III	126 00	
Augustine Palmer,	Ward IV	101 25	
J. H. Stone,	Ward V	112 50	
J. W. Leonard,	Ward VI	119 25	
F. H. Small,	Ward VII	117 00	
			$ 802 13
Wardens		$ 105 00	
Ward Clerks		105 00	
Ballot Clerks		100 00	
Election Clerks		100 00	
			$ 410 00
M. J. Brennan, chairman Registration Board		$1,220 00	
A. C. Morton, member same		976 00	
D. F. McCarthy, member same		976 00	
Victor Brett, Clerk of Board		93 00	
Victor Brett, making check lists		84 00	
R. A. Brennan, copying 7 ward books		70 00	
			$ 3,419 00
H. L. Archer, janitor City Hall		$ 840 00	
J. F. Cook, night janitor		720 00	
E. W. Gray, engineer		720 00	
T. T. Tabor, elevator man		75 00	
W. A. Leonard, same		323 00	
			$ 2,678 00
Victor Brett, auditing monthly bills		$ 200 00	
Same, recording vital statistics		236 70	
Same, making State Pension applications		156 50	
Same, administering oaths to subordinate officers		6 85	
Same, paid for postage		40 12	
Same paid for express		10 40	
Same, paid for sundry office expenses		2 45	
Etta P. Haynes, deputy City Clerk, salary		780 00	
			$ 1,433 02
Amount carried forward			$8,742 15

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Amount brought forward		$8,742 15
W. F. Sawyer & Co., taking down old post office ruins	2,302 33	
W. F. Sawyer & Co., repairing old post office wall and Central St. bridge abutment	11,703 22	
G. B. Derby Co., removal of stone from old post office	197 73	
M. Hughes, same	40 50	
M. Hughes, removing earth at High School lot.	441 62	
W. B. Washburn, inspector, post office wall struction	229 17	
C. E. Williams, labor, post office lot	135 00	
		$ 15,049 57
City Treasurer, paid sundry women for cleaning	$ 355 56	
Same, paid sundry men for moving seats	135 20	
Same, paid for recording deeds	28 65	
Same, paid for making and mailing tax notices	150 00	
Same, paid for P. O. box rent	6 00	
Same, paid for stamps and stamped envelopes.	363 90	
Same, paid for sundry office expenses	8 33	
Same, paid for express and freight	6 74	
Same, paid for telegrams	85	
Same, paid deputy Collector of Taxes	826 07	
Same, paid for clerk hire	167 00	
Same, paid for making and mailing Brown Tail moth notices, Feby. and Dec., 1913	200 00	
Same, paid for work on Assessors maps	1,038 67	
Same paid for copying City Engineer's records.	102 01	
Same, paid City Engineer's assistants, for street work	126 33	
		$ 3,515 31
Grand Army of the Republic, appropriation for Memorial Day observance	$ 250 00	
Spanish War Veterans, same	50 00	
J. E. Rogers, for 1st Me. Heavy Artillery reunion	100 00	
Chamber of Commerce, entertainment of State Grange	100 00	
Amounts carried forward	$500 00	$27,307 03

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Amounts brought forward	$500 00	$27,307 03
Ralph Whittier, Treas., for Playground Assn.	500 00	
Bangor Band, open air concerts	400 00	
J. F. Gould, legal services	765 00	
T. G. Donovan, making itemized account of receipts and expenditures	175 00	
Bankers Audit Co., report on matter of election of auditor, etc.	324 55	
Edgar M. Simpson, legal services	15 00	
		$ 2,679 55
F. R. Fuller, for sheep killed by dogs	$ 136 00	
Perley Hewes, same	75 00	
H. L. Griffin, same	15 00	
A. G. Sanford, same	36 00	
C. C. Sanford, same	18 00	
W. H. Reid, destroying dogs	258 78	
		$ 538 78
M. Moriarty Estate, land taken for new street	$ 500 00	
T. Lawson and als, same	1,250 00	
Mina J. Jarvis, house and lot, Ohio St	2,250 00	
Bangor Savings Bank, ½ cost sidewalk construction	241 29	
Graham Realty Co., ½ cost retaining wall, Franklin St	1,254 38	
A. H. Black, selling Jarvis house at auction	33 75	
Mrs. C. L. Foster, damages from sewer flowage	40 00	
Mrs. P. J. Byrnes, same	100 00	
C. S. Bullock, same	41 95	
T. E. O'Donohue, damage by tree falling on house	25 00	
Thos. Murray, relaying concrete walks at Kirstein residence	300 46	
M. Hughes, teaming	86 60	
		$ 6,123 43
Baker & Hodge, insurance	26 63	
Pearl & Dennett Co., same	25 00	
Amounts carried forward	$51 63	$36,648 79

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Amounts brought forward	$51 63	$36,648 79
Bangor Co-Operative Ptg. Co., printing annual reports, etc	922 75	
Burr Printing Co., printing	466 04	
J. F. Connelly, same	19 00	
C. H. Glass & Co., same	376 97	
I. H. Joy, same	183 50	
J. H. Bacon, same	47 75	
McKeen, Jellison Co., office supplies	29 75	
A. R. Andrews Co., same	13 50	
Burroughs Adding Mach. Co., same	2 00	
Bangor Rubber Stamp Co., same	5 50	
W. H. Earle, same	10 15	
H. Dangel & Co., same	21 25	
Kee Lox Mfg. Co., same	3 50	
D. T. Sullivan, same	144 63	
E. F. Dillingham, same	141 90	
Elliott-Fisher Co., same	27 50	
A. B. Day & Co., same	2 00	
C. C. Hagu Co., same	3 00	
Baker, Vawter Co., same	69 30	
O. C. Bean, same	3 69	
F. S. Webster & Co., same	1 20	
		$ 2,546 51
Elizabeth I. Firth, typewriting	$ 4 15	
Mary A. Givren, same	57 76	
B. W. Blanchard, same	12 00	
Blanchard & Gould, same	56 05	
M. E. Stairs, same	2 00	
M. Reynolds, same	1 50	
Verna C. Keene, clerk in Assessor's office	10 00	
J. T. Bowler, abstracts of titles	46 00	
F. W. Eastman, probate reports	7 00	
Columbia Towel Supply Co., service	27 00	
N. E. Tel. & Tel. Co., same	147 54	
Bangor Gas Lt. Co., same	104 44	
Bass Publishing Co., advertising	272 60	
Amounts carried forward	$748 04	$39,195 30

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Amounts brought forward	$748 04	$ 39,195 30
Bangor Publishing Co., same	276 17	
Municipal Journal, subscription	3 00	
American City, same	2 00	
U. S. Investor, same	5 00	
Boston News Bureau, same	12 00	
G. E. Stimpson Co., envelope sealer	10 00	
Remington Typewriter Co., typewriter for Assessors	123 00	
Underwood Typewriter Co., exchanging typewriter, City Clerk's office	46 25	
		$ 1,225 46
Scarborough Co., maps	5 85	
National Survey Co., same	20 00	
General Fireproofing Co., card index case	65 00	
Hogan & Callan, office furniture	201 00	
Hodgkins & Fiske Co., same	129 08	
Valentine & Co., repairing furniture	32 00	
Chandler & Co., same	10 00	
Dole Co., lighting fixtures	1 80	
Smith & West, same	6 63	
N. C. Hayner Co., floor oil	20 50	
W. H. Bowdlear Co., floor wax	11 52	
Snow & Nealley Co., floor brushes	12 64	
H. A. Furbish, lettering	1 70	
F. E. Eldridge Co., paint	1 55	
West Disinfecting Co., disinfectant	17 50	
Lord Bros., soap and matches	7 17	
P. H. Vose Co., maps	1 00	
C. H. Cullinan, freight	1 50	
M. C. R. R. Co., same	5 25	
		$ 551 69
D. Hennessy, M. D., vital statistics	$ 11 75	
H. A. King, M. D., same	21 50	
L. S. Mason, M. D., same	10 75	
Daniel McCann, M. D., same	8 75	
R. A. Graves, M. D., same	11 00	
Amounts carried forward	$63 75	$40,972 45

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Amounts brought forward	$63 75	$40,972 45
W. P. McNally, M. D., same	11 75	
H. M. Chapman, M. D., same	21 50	
C. W. Robbins, M. D., same	2 25	
C. P. Thomas, M. D., same	12 50	
W. J. Hammond, M. D., same	4 00	
C. S. Philbrick, M. D., same	24 00	
J. J. Towers, M. D., same	1 50	
G. B. Caulfield, M. D., same	28 00	
J. A. Barrett, M. D., same	3 25	
R. V. N. Bliss, M. D., same	5 25	
W. B. Trickey, M. D., same	3 25	
C. D. Edmunds, M. D., same	10 25	
H. J. Milliken, M. D., same	10 00	
J. F. Starrett, M. D., same	15 00	
A. E. Morris, same	25	
Rev. G. A. Martin, same	7 75	
Rev. A. H. Hyde, same	3 25	
		$ 227 50
C. Sweet Co., drugs, order of Board of Health	$ 24 00	
Buckley Drug Co., same	14 60	
C. H. Davis, same	99 47	
Stone & Forsyth, same	71 00	
W. D. Matheson, groceries, order of Board of Health	86 23	
New York Syndicate, clothing, order of Board of Health	9 56	
Joseph Budreau, nursing contagious cases	121 00	
		$ 425 86
B. L. Makepeace, supplies for City Engineer's office	$ 80 47	
E. Dietzgen Co., same	10 43	
S. L. Crosby, same	11 20	
Buff & Buff Mfg. Co., same	229 50	
A. W. Bean, same	6 50	
Keufel & Essen Co., same	7 46	
Chicago Steel Tape Co., same	7 10	
Amounts carried forward	$352 66	$41,625 81

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Amounts brought forward	$352 66	$41,625 81
Universal Drafting Mach. Co., same	3 58	
L. A. Nason, same	20 00	
		$ 376 24
Union Iron Works, repairing elevator	99 79	
Otis Elevator Co., same	31 25	
John Mason & Son, iron work, sundry buildings	116 50	
Penobscot Mach. Co., repairs	2 00	
J. M. Ward, masonry	2 18	
W. E. Fish, same	9 25	
J. H. McAuley, plumbing	58 74	
Fairbanks Bros., same	94 99	
C. H. Babb & Co., same	79 91	
D. J. Cullinan, same	12 00	
E. F. Kelley & Sons, same	7 05	
Cowan & McCarthy, carpentry	341 80	
J. M. Grant, same	7 12	
L. P. Patten, same	41 88	
Atkins Bros., glazing	4 68	
W. H. Gorham & Co., painting	33 53	
W. P. Dickey & Co., hardware	113 85	
Haynes & Chalmers Co., same	25 34	
Rice & Miller Co., same	38 24	
C. Woodman Co., lumber	5 10	
Morse & Co., filing cabinet, etc.	26 23	
		$ 1,151 43
C. M. Conant, pump repairs	$ 68 97	
R. B. Dunning & Co., same	66 22	
J. G. Hathorn, same	2 25	
W. H. Baker, repairing public clocks	7 50	
E. H. Pfaff, same	8 50	
C. Towle, same	2 00	
Frank J. Clark, same	3 00	
C. H. Burpee, same	8 85	
Bangor Broom Co., brooms	10 55	
G. A. Daley, wood	73 13	
Connor Coal & Wood Co., same	265 50	
Amounts carried forward	$516 47	$43,153 48

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Amounts brought forward	$516 47	$43,153 48
Bacon & Robinson Co., same	15 90	
Hincks Coal Co., coal	1,341 22	
		$ 1,873 59
R. C. Eveleth, labor at Oak Grove cemetery	$ 60 65	
W. H. Bryant, same, Maple Grove cemetery	269 12	
M. J. Prouty, labor at same	35 00	
C. S. Shute, labor at same	49 00	
H. H. Vague, labor at same	38 25	
Chas. Wiley, labor at same	7 00	
E. H. Allen, labor at Pine Grove cemetery	20 00	
H. T. Thornton, painting at Pine Grove cemetery	31 63	
R. E. Hathorn, labor at Mt. Hope cemetery	196 67	
H. B. Thoms, painting Mt. Pleasant hearse	52 00	
		$ 759 32
J. H. Kerr, cleaning ward room	$ 5 00	
J. F. Gillespie, same	5 00	
J. McCosker, same	5 00	
Thomas Mooney, same	5 00	
F. S. White, same	5 00	
Bangor W. & S. Cleaning Co., service	3 25	
Mrs. E. H. Maddocks, laundry	3 50	
M. F. Hines, labor	110 00	
D. J. Conners, same	10 00	
C. A. Talbot, same	1 50	
		$ 153 25
Wood & Bishop Co., tin dippers	$ 6 40	
J. L. Cosmey, tin boxes	2 25	
M. Lynch & Co., keys and locks	1 90	
W. & L. E. Gurley, sealers supplies	18 07	
P. T. Dugan & Co., repairing bag	1 75	
Noyes & Nutter Mfg. Co., water cooler, etc.	7 82	
G. T. Johnson & Co., toilet paper	45 00	
M. Schwartz Sons, graphite	1 75	
Armour & Co., soap	7 40	
J. F. Fleming, same	3 70	
Bangor Ice Co., ice	56 48	
Brown & White Co., leather straps	45	
Amounts carried forward	$152 97	$45,939 64

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Amounts brought forward	$152 97	$45,939 64
A. J. Farrington, photos	1 00	
J. J. Harrigan, repairing office furniture	15 27	
Electrical Dept., labor and supplies	121 79	
General Electric Co., 3 transformers	498 64	
		$ 789 67
F. H. Meinecke, expenses to Boston, etc	$ 32 62	
W. H. Robinson, report on post office wall construction	45 00	
A. F. Buzzell, serving writs	1 48	
H. C. Chapman & Son, board of Gov. Plaisted and staff, June 19, 1912	76 90	
Union Safe Deposit Co., bonds for City Treas. and assistant	62 50	
City of Brewer, taxes	29 93	
A. L. Pooler, for damage to wagon	60 15	
Postal Telegraph Co., telegrams	1 21	
W. U. Tel. Co., telegrams and clock service	12 65	
American Express Co., express	8 44	
F. C. Ridley, trucking	1 00	
J. McCarthy, same	8 25	
Bangor Band, carting chairs	4 00	
F. L. Peavey, team hire, assessors	23 00	
T. Murphy, carriage hire	75	
H. C. Young, auto hire	7 50	
D. Appleton Co., book	1 61	
G. S. Clapp, repairing typewriter	3 00	
G. M. Donham, Maine Year Books	10 00	
B. W. Blanchard, expense to Portland, etc	17 49	
		$ 407 48
H. O. Pierce, taxes bid off to city at tax sales	$ 10,071 29	
Transferred to School Dept., order of City Council	4,000 00	
Water Dept., water furnished charitable institutions, etc	2196 00	
		$ 16,267 29
		$ 63,404 08
Amount unexpended		9,736 78
		$ 73,140 86

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INTEREST

RECEIPTS

Amount of appropriation	$ 32,000 00	
Amount received for interest on balances, Kend. Trust Co.	15 89	
Amount received on balances, Eastern Trust & Bkg. Co.	117 96	
Amount received for interest on balances, Merrill Trust Co	6 25	
Amount received for lnterest on balances, Merchants Nat'l Bank	177 61	
Amount received for interest on taxes	641 96	
Amount received for interest on sewer assessment	34 81	
	$ 32,994 48	
Amount overdrawn	6,464 73	
		$ 39,459 21

EXPENDITURES

Bangor Public Library, interest on Hersey Fund	$4,000 00
Bangor Mechanics' Assn., 1½ years	1,080 00
Home for Aged Women	1,500 00
Children's Home	2,400 00
Wakefield Fund, 1½ years	675 00
Chas. E. French Medal Fund	134 50
City Missionary, interest on Stetson Fund	636 50
City Treasurer, paid interest on municipal bonds	20,560 00
Bangor Fuel Society	200 00
Eastern Trust & Bkg. Co., diccount on temporary loans	3,479 88
Second Nat'l Bank, same	750 00
Merrill Trust Co., same	833 33
Amount carried forward	$36,249 21

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Amount brought forward		$36,249 21	
Merchants Nat'l Bank, Boston, interest on municipal bonds		2,660 00	
Firemen's Relief Fund as follows, viz.:			
F. O. Burr	$ 47 00		
H. Coleman	7 00		
M. J. Glynn	25 00		
Henry McClay	40 00		
Otis Gray	7 00		
Chester Clark	10 00		
C. H. Pierce	14 00		
Mrs. J. F. Leonard	200 00		
Mrs. W. J. Morrill	200 00		
		550 00	
			$ 39,459 21

OVERLAYINGS

RECEIPTS

Amount of appropriation	$ 20,136 31	
Amount of supplementary taxes	826 13	
		$ 20,962 44

EXPENDITURES

Amount of abatements	$ 19,227 59	
Amount unexpended	1,734 85	
		$ 20,962 44

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PARKS

RECEIPTS

Amount of appropriation	$ 4,000 00	
Amount received for destroying brown tail moths	130 75	
Amount received from Chapman & Bailey, for labor	40 00	
Amount received from W. M. Brown, for same	3 00	
		4,173 75
Amount overdrawn		1,123 77
		$ 5,297 52

EXPENDITURES

City Treasurer, paid sundry men for labor	$ 3,970 79
T. T. Casey, labor of men	40 86
R. B. Dunning & Co., tools, seed, etc	101 29
W. P. Dickey & Co., tools and other supplies	29 20
Rice & Miller Co., same	73 94
Haynes & Chalmers Co., same	13 34
G. F. Severance, same	3 00
Mrs. T. Allen, shrubs and plants	123 23
Fottler-Fiske Rawson Co., same	10 15
R. F. McCabe, shade trees	100 00
J. Martin Jr., same	85 00
Brown & White Co., horse lawn mower, etc	96 33
Chapman & Bailey, ½ cost of fence, Davenport Park	12 86
L. W. Cutter, bridge at Summit Park, etc	130 06
Cowan & McCarthy, carpentry	4 04
J. H. Riley, masonry	65 00
E. M. Quirk, plumbing	20 87
Eastern Cement Co., cement	36 70
M. Hughes, gravel	154 00
B. Witham, cedar poles, etc	19 00
Amount carried forward	$ 5,089 66

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Amount brought forward	$5,089 66	
C. A. Simpson, dressing	2 00	
F. L. Small, painting settees	30 00	
Hodgkins & Fiske Co., desk	20 00	
J. H. Bacon, printing	17 50	
Bangor Co-Operative Ptg. Co., same	2 25	
May C. O'Leary, typewriting	75	
O. C. Bean, office supplies	3 05	
Florist Exchange, advertising	1 50	
Bangor Publishing Co., same	2 00	
Bass Publishing Co., same	2 00	
A. W. Bean, repairing tools	25 10	
J. I. Barnes, same	5 20	
Holt & Kendall, same	60	
Peavey Mfg. Co., same	1 50	
J. A. Stuart, oil, etc	85	
W. C. Iverson, same	1 41	
S. L. Crosby Co., police badge	1 00	
W. H. Earle, stencils	2 10	
Penobscot Mach. Co., iron	19 08	
J. A. Robinson & Co., frocks	3 00	
Otis Skinner Co., field glass case	4 00	
J. N. Towle & Co., salt	3 50	
N. H. Bragg & Sons, steel	23	
M. Schwartz Sons, packing	38	
Utterback Gleason Co., straps	1 80	
C. E. Welch, climbers	2 50	
M. C. R. R. Co., freight	12 00	
Am. Express Co., express	56	
John Parlee, trucking	50	
J. F. McCarthy, same	2 50	
E. W. Robinson, teaming	36 00	
Dr. D. McCann, medical service to employe	3 00	
		$5,297 52

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PAUPER

RECEIPTS

Amount of appropriation	$ 17,000 00	
Amount received from Overseers of Poor	2,462 18	
Amount received from State of Maine	3,026 02	
Amount received for junk sold	3 28	
Amount received from Fire Dept., for hay	53 48	
Amount received from Highway Dept., same	315 96	
Amount received from J. T. Kelleher, for potatoes	13 75	
Amount received for refund	27	
		$ 22,874 94

EXPENDITURES

James Gibbons, Overseer of Poor	400 00	
J. T. Kelleher, same	400 00	
A. L. Chase, Sec., same	596 67	
Ethel Brown, Sec. same, in 1912	103 33	
		$ 1,500 00

EXPENSES AT ALMSHOUSE

C. L. Garland, supt., salary	$ 1,000 00	
C. L. Garland, paid for labor	2,562 04	
James Milliken, grain	442 03	
J. N. Towle & Co., same	599 79	
W. A. Jennison, same	218 16	
Eastern Grain Co., same	160 16	
F. H. Barstow & Son, same	50 19	
Swett & Co., same	10 41	
Arthur Chapin Co., groceries	752 00	
C. P. Gallagher & Co., same	56 46	
T. F. Gallagher, same	675 21	
J. Cassidy Co., same	66 03	
Thurston & Kingsbury, same	122 99	
C. Hayward Co., same	187 82	
Amounts carried forward	$6,903 29	$1,500 00

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Amounts brought forward	$6,903 29	$1,500 00
T. R. Savage Co., same	211 63	
G. I. Wescott & Son, same	236 43	
Adams Dry Goods Co., clothing and dry goods	523 81	
A. L. Freese, dry goods	65 16	
E. C. Nichols Co., same	15 41	
H. H. Shepard, same	18 00	
New York Syndicate, clothing, etc	202 53	
Sawyer Boot & Shoe Co., shoes	250 74	
		$ 8,427 00
Armour & Co., beef, etc	631 47	
W. A. Bean, same	23 50	
A. W. Joy Co., same	43 32	
Swift & Co., same	358 36	
Sulzberger Co., same	177 04	
C. H. Rice, same	32 65	
A. Jones Sons, fish	217 51	
Fred Crowell, produce	12 40	
Echo Farms Co., canned goods	14 40	
Revere Distilling Co., liquor	42 25	
		$ 1,552 90
Cudahy Packing Co., soap powder, etc	$ 78 11	
Flash Chemical Co., soap	7 00	
Morrell Co., disinfectant	30 00	
N. C. Hayner Co., same	23 28	
Orient Spray Co., same	24 75	
The West Co., same	69 50	
Buckley Drug Co., drugs	11 75	
C. H. Davis, same	17 38	
C. Sweet Co., same	609 07	
Curtis & Tupper, same	1 00	
Geo. C. Frye, same	3 06	
A. P. Trask, clocks	10 50	
The Dole Co., lighting fixtures	6 20	
P. H. Vose Co., crockery, etc	77 82	
J. L. Cosmey, tinware	27 98	
Wood & Bishop Co., same	6 96	
Amounts carried forward	$1,004 36	$11,479 90

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Amounts brought forward	$1,004 36	$11,479 90
W. P. Dickey & Co., hardware	98 39	
Rice & Miller Co., same	71 57	
N. H. Bragg & Sons, same	72	
		$ 1,175 04
Portland Rendering Co., bone meal	2 10	
Morrison Bros., fertilizer	331 50	
Armour & Co., same	9 60	
R. B. Dunning & Co., farm implements, etc	493 39	
Knowles & Dow Co., same	209 97	
C. M. Conant Co., same	28 32	
Louden Machine Co., fixtures for barns	47 36	
E. E. Robinson, seed	45 00	
H. A. Dunning Co., same	13 89	
G. C. Kreslow, farm stock	25 00	
R. B. Weir, same	25 00	
G. F. Cameron, straw	2 61	
Utterback Bros. Co., 1 wagon and harness supplies	174 80	
Utterback, Gleason Co., harness supplies	13 37	
Brown & White, same	18 25	
P. T. Dugan & Co., same	3 96	
C. E. Welch, horseshoeing, etc	129 56	
A. L. Murch, veterinary	11 00	
C. F. Dwinal, same	4 75	
Am. Express Co., express	4 20	
M. C. R. R. Co., freight	2 00	
		$ 1,595 63
Atkins Bros., painting	9 77	
E. F. Kelley & Sons, plumbing	44 73	
B. W. Mayo, same	15 19	
F. L. DeCosta, same	22 41	
Ward & Clough, masonry	12 05	
		$ 104 15
C. L. Garland, wood	36 00	
Wm. Engel & Co., same	150 00	
Sterns Lumber Co., same	924 80	
Amounts carried forward	$1,110 80	$14,354 72

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Amounts brought forward	$1,110 80	$14,354 72
Hincks Coal Co., coal	22 25	
Stickney & Babcock Co., same	21 83	
C. Woodman Co., lumber	36 04	
Morse & Co., sawdust and posts	9 00	
Electrical Dept., labor and supplies	69 76	
Holt & Kendall, repairs	9 65	
C. P. Fessenden, iron work	8 75	
Palmer Shoe Co., repairs	1 40	
		$ 1,289 48
T. A. Huston Co., crackers	$ 6 18	
National Biscuit Co., same	30 72	
Horlick Co., malted milk	8 00	
F. W. Savage, milk	1 05	
Fleischmann Co., yeast	18 52	
Bangor Ice Co., ice	29 35	
Frank Clements, same	17 22	
Snow & Nealley Co., rope	25 83	
		$ 136 87
Besse-Ashworth Co., clothing	46 13	
J. A. Robinson & Co., same	76 35	
J. T. Clark & Co., same	5 38	
Standard Clothing Co., same	6 75	
Boston Button Store, dry goods	5 75	
Wood & Ewer Co., same	3 00	
Severance Bunker Co., same	7 80	
		$ 151 16

EXPENSES OUTSIDE ALMSHOUSE

City Treasurer, paid for support of paupers on orders of Overseers of Poor	$ 1,443 54	
Town of Fairfield, care of paupers	33 89	
Town of Manchester, same	268 60	
Town of Unity, same	87 50	
Town of Greenbush, same	2 85	
Town of Orono, same	66 44	
Town of Carmel, same	8 50	
Amounts carried forward	$1,911 32	$15,932 23

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Amounts brought forward	$1,911 32	$15,932 23
Town of Newport, same	7 48	
City of Bath, same	22 00	
City of Portland, same	6 40	
City of Gardiner, same	83 50	
		$ 2,030 70
G. A. Chapman, groceries	$ 15 00	
F. H. Drummond, same	50 00	
J. F. Fleming, same	224 50	
E. R. Fox, same	9 00	
H. E. Jellison, same	179 00	
Lord Bros., same	10 00	
W. D. Matheson, same	440 58	
D. J. McGrath, same	227 00	
E. F. Piper, same	329 00	
Ray & Stevenson, same	8 00	
S. H. Robinson & Son, same	230 00	
E. F. Spencer, same	341 00	
W. F. White, same	115 00	
F. Willis, same	213 00	
R. Hickson & Son, same	317 00	
W. W. Doane & Co., same	10 00	
C. H. Peterson, same	355 50	
Staples & Griffin, same	142 00	
F. L. Frank & Co., same	95 00	
Gallagher Bros., same	4 00	
R. C. Jordan, same	28 00	
J. E. Foley Co., same	105 00	
F. S. Jones & Co., same	150 00	
		$ 3,597 58
R. A. Graves, M. D., professional services	6 00	
W. J. Hammond, M. D., same	3 00	
J. F. Starrett, M. D., same	12 00	
B. L. Bryant, M. D., same	53 00	
C. P. Thomas, M. D., same	3 00	
H. T. Clough, M. D., same	2 00	
H. A. King, M. D., same	19 00	
Amounts carried forward	$98 00	$21,560 51

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Amounts brought forward	$98 00	$21,560 51
L. S. Mason, M. D., same	3 00	
H. J. Milliken, M. D., same	9 00	
D. W. Bunker, M. D., same	28 00	
A. A. Brown, M. D., same	15 00	
Daniel McCann, M. D., same	3 00	
L. M. Pastor, M. D., same	6 00	
J. F. Cox, M. D., same	3 00	
J. B. Woods, M. D., same	5 50	
E. E. Brown, M. D., same	12 00	
T. J. Murphy, M. D., same	3 00	
W. B. Trickey, M. D., same	3 00	
W. W. Inkrate, M. D., same	6 00	
H. F. Oviatt, D. D. S., same	5 00	
E. M. Gen'l Hospital, use of ambulance	4 00	
		$ 203 50
N. E. Tel. & Tel. Co., service	28 70	
Bangor Co-op. Printing Co., printing	27 50	
Remington Co., office supplies	85	
D. T. Sullivan, same	5 35	
E. F. Dillingham, same	4 00	
Bangor Publishing Co., subscription	6 00	
J. T. Kelleher, funeral supplies	115 00	
Finnigan Bros., same	38 00	
Mt. Pleasant Cemetery Corp., burial of paupers	6 50	
R. E. Hathorn, same	29 50	
M. Kane, hacks	14 00	
		$ 275 40
Sawyer Boot & Shoe Co., shoes	245 00	
J. Conners Co., same	3 75	
J. M. Arnold Co., same	1 25	
Stover & Prilay Co., same	2 80	
Anti-Tuberculosis Society, board of Mrs. Fitzgerald	6 86	
J. F. Parkhurst & Son Co., rent for Mrs. Twitchell	42 50	
W. H. Fiske, rent for F. C. Maxfield	16 07	
N. E. Tel. & Tel. Co., service	28 70	$346 93
		$22,386 34
Amount unexpended		488 60
		$22,874 94

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POLICE

RECEIPTS

Amount of appropriation		$ 28,000 00
Amount received for Municipal Court fees	$ 943 66	
Amount received for Supreme Court fees	3,799 20	
Amount received for circus licenses	75 00	
Amount received for use of patrol	46 50	
Amount received from sale of buttons, etc	54 80	
Amount received from sale of barrels	1 26	
Amount received for use of telephone	1 65	
		$ 4,922 07
		32,822 07
Amount overdrawn		2,694 19
		$35,616 26

EXPENDITURES

F. H. Davis, chief, part of year, salary	$ 120 00
L. W. Gilman, same, balance of year	1,236 75
J. T. Mackie, deputy chief, at $2.50 per day	909 95
Calvin Knaide, inspector, same	927 50
J. L. Fahey, patrolman, at $2.40 per day	905 70
E. K. Baker, same	868 80
H. P. Baker, same	837 60
F. H. Bean, same	890 40
J. P. Beck, same	825 60
H. S. Berry, same	873 60
C. F. Carey, same	888 00
J. A. Conners, same	880 80
T. A. Davis, same	782 40
Cornelius Donovan, same	886 80
D. J. Griffin, same	894 00
F. J. Golden, captain, at $2.50 per day	914 35
W. H. Gehigan, patrolman	865 20
Amount carried forward	$14,507 45

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Amount brought forward	$14,507 45	
W. R. Holmes, same	884 40	
D. F. Kennedy, same	859 20	
F. A. Loftus, same	852 00	
W. F. McAllister, same	842 40	
W. H. Mead, same	900 00	
J. W. Mahoney, same	897 60	
Simon O'Leary, same	849 60	
T. E. O'Donohue, captain, at $2.50 per day	943 75	
F. J. Perkins, patrolman,	864 00	
A. L. Phillips, same	872 40	
F. J. Rogan, same	853 20	
R. B. Robinson, same	894 00	
J. E. Reagan, same	870 00	
R. G. Reid, same	891 80	
D. G. Smith, same	910 70	
N. A. Smith, same	505 20	
B. P. Sproul, same	887 65	
E. A. Laffey, special, $2 per day	651 00	
S. P. Kelley, same	63 00	
P. J. Kane, same	58 00	
L. D. Cowing, same	461 00	
W. J. Nagle, same	569 00	
J. T. Carrow, same	593 00	
E. A. Rowe, same	592 00	
C. H. Lander, same	520 75	
Thomas Murray, same	562 00	
D. J. McGrath, Jr., same	44 00	
W. H. McCart, special at Mt. Pleasant cemetery, 3 mos. at $20	60 00	
		$ 33,259 10
W. F. McAllister, pay allowed during illness	67 20	
D. F. Kennedy, same	170 40	
F. J. Perkins, same	31 20	
J. E. Reagan, same	24 40	
Simon O'Leary, same	10 80	
H. P. Baker, same	7 20	
F. A. Loftus, same	14 40	
		$ 325 60
Amount carried forward		$33,584 70

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Amount brought forward		$33,584 70
Mrs. Frances C. Jordan, pension, husband killed in the service	220 00	
L. W. Gilman, conveying prisoners	109 67	
T. E. O'Donohue, same	40 05	
J. T. Mackie, same	24 82	
F. H. Bean, use of auto	55 00	
M. Kane, team hire	2 00	
F. L. Peavey, board of horse	240 00	
White & Winchester, horseshoeing	30 35	
Utterback Bros. Co., harness supplies	12 00	
Brown & White Co., same	50	
A. L. Murch, veterinary	1 50	
H. B. Thoms, repairing wagon	18 10	
E. K. Baker, laundry work	26 31	
Burr Printing & Adv. Co., printing	48 97	
Bangor Co-Op. Printing Co., same	9 00	
May C. O'Leary, typewriting	26 80	
Auto List Co., records	10 00	
W. J. Lawless, auto list	10 00	
D. T. Sullivan, office supplies	2 50	
E. F. Dillingham, same	12 92	
Gamewell Fire Alarm Co., register paper	47 58	
Valentine Co., office furniture	32 50	
		$ 980 57
Haynes & Chalmers Co., sperm oil	3 00	
Rice & Miller Co., water cooler, etc	15 45	
Holt & Kendall, bicycle, etc	53 10	
R. B. Dunning & Co., mop	1 50	
W. P. Dickey & Co.,	35 85	
S. L. Crosby Co., batteries	3 00	
Dole Co., same	2 35	
N. H. Bragg & Sons, rubber tires	14 65	
Bangor Ice Co., ice	110 82	
F. E. Eldridge Co., turpentine	6 64	
M. Lynch & Co., keys and locks	4 75	
I. M. Hutchins, repairing badges	16 40	
Amounts carried forward	$267 51	$34,565 27

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Amounts brought forward	$267 51	$34,565 27
Noyes & Nutter Mfg. Co., pails	2 13	
J. L. Cosmey, repairs	50	
Electrical Dept., labor and material	403 68	
Staples & Griffin, oil	2 80	
F. L. Jones & Co., crackers	3 06	
Frey Bros., lunches	2 70	
J. M. Grant, carpentry	1 51	
N. E. Tel. & Tel. Co., service	130 15	
Bangor Ry. & Elec. Co., current	3 60	
Bangor W. & S. Cleaning Co., service	3 69	
Buckley Drug Co., drugs	1 35	
C. Sweet Co., same	25	
Besse-Ashworth Co., caps	91 50	
J. A. Robinson & Co., gloves	3 00	
D. Evans & Co., buttons	12 56	
H. F. Quinn, M. D., professional services	2 00	
C. H. Burgess, M. D., same	11 00	
J. F. Cox, M. D., same	2 00	
H. J. Milliken, M. D., same	46 00	
A. A. Brown, M. D., same	48 00	
C. D. Edmunds, M. D., same	2 00	
T. J. Murphy, M. D., same	10 00	
		$ 1,050 99
		$ 35,616 26

PUBLIC LIBRARY

RECEIPTS

Amount of appropriation	$ 6,000 00	
Amount received from State of Maine	750 00	
		$ 6,750 00

EXPENDITURES

Paid E. F. Rich, library treasurer	$ 6,750 00

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SALARY

RECEIPTS

Amount of appropriation	$ 16,000 00	
Amount overdrawn	$ 1,562 53	
		$ 17,562 53

EXPENDITURES

C. W. Mullen, Mayor, salary, Mch. 1st to 17th, 1913	$ 52 54	
F. O. Beal, same, salary, balance of year	747 46	
Victor Brett, city clerk	1,000 00	
H. O. Pierce, city treasurer	2,200 00	
T. G. Donovan, treas., assistant	1,100 00	
T. G. Donovan, clerk of Common Council	125 00	
B. W. Blanchard, city solicitor	1,200 00	
F. E. Pressey, city engineer	1,350 00	
A. A. Brown, city physician	400 00	
J. F. Cox, member Board of Health	50 00	
R. H. Downing, same	50 00	
A. P. Pierce, secretary same	390 14	
C. H. Cullinan, plumbing inspector	600 00	
G. W. Cluff, school agent	700 00	
G. W. Cluff, truant officer	250 00	
M. Tibbetts, building inspector	300 00	
F. A. Garnsey, assessor	1,200 00	
C. F. Sweet, same	1,200 00	
G. G. Nelson, same	1,200 00	
W. H. Baker, supt. of clocks	150 00	
R. E. Hathorn, undertaker, Mt. Hope cemetery	300 00	
Patrick Quine, same Mt. Pleasant cemetery	200 00	
John Goldthwait, milk inspector	300 00	
F. H. Meinecke, purchasing agent, part of year, at $2,000 a year	964 86	
J. C. Wilson, harbor master	400 00	
City Treasurer, paid sundry employees of City engineers office	1,132 53	
		$ 17,562 53

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SCHOOLS

RECEIPTS

Amount of appropriation		$ 72,500 00
Amount received from State of Maine as follows:		
for common school fund	33,193 65	
for school and mill fund	22,064 08	
for industrial education	1,766 66	
for free High School	500 00	
on account of Supts. of towns	1,600 00	
		$ 59,124 39
Amount transferred from Incidental fund by order of City Council		4,000 00
Amount received for books and supplies		61 81
Amount received for tuition		298 60
Amount received from the following for sale of old buildings:		
Vickery, Smith Co.	278 00	
M. F. Hurley	116 00	
M. Hughes	76 00	
		470 00
Amount received for insurance refunds		42 45
Amount received for refund Kenney Bros. & Wolkins		1 25
Amount received for refund R. B. Dunning & Co.		2 00
		$136,500 50
Amount overdrawn		7,238 12
		$143,738 62

EXPENDITURES

D. Lyman Wormwood, Supt., salary, ($2200 per year to Jan. 1, '14, then fixed at $2500)	$ 2,271 53
Prescott H. Vose, member school board	60 00
Dr. Daniel McCann, same	60 00
A. L. Kirstein, same	60 00
C. Parker Crowell, same	60 00
Amount carried forward	$2,511 53

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Amount brought forward	$2,511 53	
G. W. Wescott, same	60 00	
H. H. Crane, M. D., medical inspector	145 83	
Blanche M. Mansfield, M. D., same	145 83	
L. S. Mason, M. D., same	145 83	
H. J. Milliken, M. D., same	145 83	
D. A. Robinson, M. D., same	83 34	
Barbara Hunt, M. D., same	83 34	
H. F. Quinn, M. D., same	83 34	
L. M. Pastor, M. D., same	83 34	
Edna M. Lord, clerk, part of year	203 01	
Agnes N. Taylor, clerk, balance of year	296 01	
		$ 3,987 23
City Treasurer, paid teachers' salaries as follows, viz.:		
High School	$ 22,752 10	
Common Schools	49,887 80	
Kindergarten	9,608 91	
Suburban	5,508 95	
Special supervisors	5,614 89	
Assistants, 4 substitutes	1,372 08	
		$ 94,744 73
City Treasurer, paid for janitors' service	$ 8,053 71	
City Treasurer, paid sundry persons for labor	529 20	
		$ 8,582 91

BOOKS AND SUPPLIES

Allyn & Bacon	$ 56 02	
Am. Book Co	1,706 89	
Andrews Paper Co	12 75	
E. E. Babb & Co	997 81	
Ginn & Co	1,969 86	
D. C. Heath & Co	196 69	
Houghton, Mifflin Co	63 06	
Kenney Bros. & Wolkins	316 34	
Knott Co	24 37	
Neostyle Co	4 15	
Amounts carried forward	$5,347 94	$107,314 87

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Amounts brought forward	$5,347 94	$107,314 87
Shoenhoff Co	10 84	
Burr Printing Co	259 33	
H. I. Dallman Co	75 63	
O. Ditson Co	1 22	
C. H. Glass & Co	194 00	
J. L. Hammett Co	302 59	
Little, Brown & Co	99 87	
Silver, Burdett & Co	760 12	
Scott Paper Co	37 81	
White, Smith Co	79	
Bangor Co-Op. Printing Co	88 50	
M. Bradley Co	468 24	
Boston Music Co	1 17	
I. Pitman Sons	61	
D. T. Sullivan	255 27	
Allen, Totman Co	80 00	
J. H. Bacon	50 25	
Quale Co	117 00	
Remington T. W. Co	59 50	
H. V. Starrett	2 75	
Furbush Co	15 00	
Wadsworth, Howland Co	1 88	
Atkinson Mentzer Co	20 56	
Funk & Wengalls	14 60	
D. Appleton Co	62 40	
Dodd, Mead & Co	157 25	
Eagle Pencil Co	72 57	
Carl Fisher	3 71	
H. Holt Co	7 29	
Harper Bros	3 41	
McMillan Co	295 41	
G. P. Putnam Sons	2 00	
C. Scribners Sons	93 52	
F. H. Thomas Co	8 00	
Cornell Co-Op. Society	3 80	
E. Dietzgen Co	50	
Amounts carried forward	$8,975 33	$107,314 87

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Amounts brought forward	$8,975 33	$107,314 87
Library Bureau	20 68	
Mitchell Woodbury Co.	17 44	
A. McDonough	8 00	
C. Schirmer	72	
L. C. Smith & Bros.	59 50	
J. D. Brown	18 00	
A. J. Bryer	1 75	
Leo. Feist	4 50	
Holden Book Cover Co.	120 00	
Lever Bros. Co.	9 75	
McKeen, Jellison Co	9 50	
Row, Peterson Co	4 90	
U. S. Geol. Survey	9 23	
E. F. Dillingham	128 29	
Kenney Mfg. Co	2 50	
William Leslie	38 61	
Parker Supply Co	21 95	
Scarborough Co	17 50	
J. C. Smith	50	
J. A. Lyons & Co.	2 32	
D. C. McIntosh	35 77	
Rand, McNally Co	29 65	
F. O. Youngs	8 00	
Underwood T. W. Co	2 00	
		$ 9,546 39

FUEL

Connor Coal & Wood Co., wood	$ 798 50	
P. Nelligan, same	60 50	
C. H. Morrison, same	270 00	
Bacon & Robinson Co., same	2 00	
H. L. Wilson, same	128 75	
Stickney & Babcock Coal Co., coal	816 50	
Hincks Coal Co., same	6,759 65	
		$ 8,835 90
Amount carried forward		$125,697 16

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Amount brought forward		$125,697 16

MATERIALS, IMPROVEMENTS AND REPAIRS

Haynes & Chalmers Co., hardware	82 64	
Rice & Miller Co., same	336 67	
R. B. Dunning & Co., same	35 16	
W. P. Dickey & Co., supplies for manual training	77 55	
Morse & Co., lumber	244 48	
Penobscot Lumber Co., same	62 52	
C. Woodman Co., same	173 96	
J. N. V. Lane, wiring school buildings	332 75	
C. E. Pendleton, lighting fixtures	6 35	
The Dole Co., same	25 73	
Smith & West, same	2 16	
C. H. Babb & Co., plumbing	848 89	
Maine Plumbing Co., same	80 62	
J. M. Ward, masonry	19 04	
E. L. Gatchell, repairing school buildings, per contract	1,453 00	
Canty & Wiley, same	275 00	
C. H. W. Gale, same	439 00	
E. B. Eastman, same	1,656 00	
F. T. Casey, grading	37 20	
J. G. Hathorn, same	21 50	
Wood & Bishop Co., stove repairs	35 61	
W. H. Pritchard, same	19 00	
Noyes & Nutter Mfg. Co., same	13 15	
M. Lynch & Co., keys and locks	35 85	
J. M. Grant, carpentry	102 60	
G. W. Reed, same	25 97	
M. H. Lancaster, same	158 68	
E. B. Eastman, same	10 00	
L. P. Patten, same	82 15	
G. H. Wilbur & Son, same	138 45	
W. A. Crocker, same	13 65	
E. L. Gatchell, same	64 79	
Amounts carried forward	$6,910 12	$125,697 16

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Amounts brought forward	$6,910 12	$125,697 16
F. E. Eldredge Co., painting	31 15	
W. H. Gorham Co., same	55 10	
Penobscot Mach. Co., fire escapes, repairing boilers, etc.	805 59	
W. E. Mansur, architect	200 00	
Hodgkins & Fiske Co., desks	46 50	
Martins Bros., shades	20 00	
		$ 8,068 46
W. F. Curran, insurance	$ 152 93	
H. T. Gallagher, same	751 49	
J. W. McClure & Son, same	225 70	
Pember & Carter, same	412 42	
Somers, Bickford & Finnegan Co., same	172 50	
Sullivan & Mullen, same	249 16	
J. H. Boyd, same	482 84	
L. Kirstein & Sons, same	648 17	
W. W. Palmer, same	363 39	
C. M. Stewart, same	220 05	
J. F. Singleton, same	254 69	
J. C. Wilson, same	109 27	
Blake, Barrows & Brown, same	321 40	
Baker & Hodge, same	213 56	
J. M. Bright, same	188 98	
P. J. Byrnes, same	243 41	
Henry Lord & Co., same	269 74	
L. C. Tyler & Sons Co., same	214 92	
Freeland Mann Co., same	75 10	
A. J. Whitmore, same	101 97	
E. H. Carter, same	276 08	
Pearl & Dennett Co., same	266 76	
		$ 6,214 53
Bangor W. & S. Cleaning Co., service	179 64	
N. E. Tel. & Tel. Co., same	152 19	
Bangor Gas Lt. Co., same	137 77	
D. V. O'Leary, rent for kindergarten	350 00	
C. P. Fessenden, Trustee, same	105 00	
Amounts carried forward	$924 60	$139,980 15

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Amounts brought forward	$924 60	$139,980 15
E. J. Colburn, conveying scholars	343 00	
F. H. C. Smith, same	294 00	
W. H. Rivers, team hire	12 50	
M. Kane, same	87 50	
A. J. Shorey, auto hire	9 00	
C. E. Bradbury, trucking	14 25	
Ridley Transfer Co., same	78 92	
S. A. White, same	58 00	
G. B. Derby Co., same	50	
American Express Co., express	15 97	
Atlantic Express Co., same	62 45	
M. C. R. R. Co., freight	166 32	
Eastern S. S. Co., same	19 55	
		$ 2,086 56
D. Matheson & Son, groceries for domestic science dept	$ 13 18	
Lynch's Market, meats for same	3 10	
L. L. Lewis, milk for same	4 04	
C. F. Winchester, groceries for same	37 69	
F. T. Hall & Co., same	31 84	
A. L. Freese, materials for same	5 00	
Wood & Ewer Co., same	4 45	
E. C. Nichols Co., same	7 67	
Benson & Miller, same	1 50	
Adams Dry Goods Co., same	109 77	
C. Sweet Co., supplies for laboratory	11 78	
		$ 230 02
F. B. Ames, taking school census	$ 18 32	
E. T. Boyd, same	46 01	
L. A. Leadbetter, same	17 39	
John McGreal, same	22 62	
H. A. M. Trickey, same	24 80	
M. Goodkowsky, same	31 26	
H. E. Lamb, same	36 86	
		$ 197 26
Amount carried forward		$142,493 99

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Amount brought forward		$142,493 99
H. M. Pullen, music for graduation	77 00	
W. I. Brown, tickets	5 55	
Guth Piano Co., piano	125 00	
Andrews Music House, rent of piano, etc	34 09	
H. O. Pierce, use of piano	3 00	
H. L. Milan, expenses to Waterville	2 80	
Simon O'Leary, same	2 80	
G. H. Larrabee, expenses attending teachers' meeting, Castine	9 45	
D. L. Wormwood, attending National teachers' convention, etc	112 93	
L. J. Keyes, baseball coach	20 00	
W. Reed & Sons, baseball suits	35 95	
		$ 428 57
I. M. Hutchings, repairing clocks	$ 15 00	
B. Pol, same	7 50	
A. P. Trask, same	11 00	
E. T. Shaw, same	5 50	
G. McKenney, saw filing	3 40	
J. I. Barnes, same	1 60	
Holt & Kendall, repairs	50	
J. L. Cosmey, same	3 58	
Chandler & Co., same	2 34	
Valentine & Co., same	19 70	
C. M. Bragdon, same	4 10	
Union Iron Works, same	6 80	
Peavey Mfg. Co., same	3 00	
W. N. Brown, same	18 00	
		$ 102 02
Orient Spray Co., disinfectant	$ 136 43	
West Disinfectant Co., same	51 00	
Masury, Young & Co., floor oil	169 20	
Standard Oil Co., same	15 00	
New Method Varnish Co., same	8 50	
J. T. Mullen, oiling floors	10 50	
D. J. McGrath, oil, etc	7 20	
Amounts carried forward	$397 83	$143,024 58

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Amounts brought forward	$397 83	$143,024 58
W. D. Matheson, same	2 60	
Somerville Brush Co., brushes	7 50	
T. R. Savage Co., brooms, etc.	41 55	
F. W. Woolworth Co., toilet paper	10 02	
G. T. Johnson Co., same	10 00	
Cudahy Packing Co., soap powder	4 25	
G. I. Wescott & Son, same	14 50	
Curtis & Tupper, soap, etc.	4 26	
Armour & Co., same	12 00	
Bangor Broom Co., brooms	5 25	
Bangor Box Co., boxes	4 00	
J. F. Gerrity & Co., pictures	20 42	
Abner Taylor, belt supplies	6 66	
N. H. Bragg & Sons, hardware	6 79	
M. Schwartz Sons, same	3 94	
Blake & Knowles Co., same	3 35	
Union Hardware Co., same	1 46	
Snow & Nealley Co., hose, rope, etc.	72 44	
Bangor Ice Co., ice	3 30	
C. A. York, Christmas trees	8 00	
Mrs. W. M. Richardson, lunches for special teachers	6 75	
Am. School Journal, subscription	1 00	
Bangor Publishing Co., advertising	14 17	
A. Wentworth, surveying wood	3 00	
Bangor Steam Laundry Co., laundry	3 67	
Porter-Parsons Co., same	7 93	
Franklin Laundry Co., same	4 90	
Adam Sekenger, plants	32 50	
		$ 714 04
		$143,738 62

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HIGH SCHOOL

RECEIPTS

Amount of appropriation		$175,000 00
Received from Allen Shade Co., refund	10 00	
Received from Hodgkins & Fiske Co., same	40 20	
		50 20
		$175,050 20
Amount overdrawn		37,331 23
		$212,381 43

EXPENDITURES

Paid on account of construction:		
Geo. H. Wilbur & Son	$131,456 87	
E. C. Lewis, Inc.	7,323 93	
Wiley & Calhoun	18,587 23	
C. H. Babb & Co	10,138 52	
Peabody & Sterns, architects	2,225 59	
R. D. Kimball & Co	877 75	
J. Evans Co	200 00	
Pettingill Andrews Co.	2,403 64	
		$173,213 53

FURNISHINGS AND EQUIPMENT

Kenney Bros. & Wolkins	$ 3,177 00	
Hodgkins & Fiske Co	2,775 39	
Chandler & Co	2,188 98	
A. E. Guth Piano Co	677 72	
Knott Apparatus Co	425 96	
Chicago Apparatus Co	98 24	
Chandler & Farquhar Co	1,696 93	
Am. Seating Co	921 60	
Brown & Sharp Mfg. Co.	1,193 60	
Van Dorn Iron Works	2,482 70	
Amounts carried forward	$15,638 12	$173,213 53

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Amounts brought forward	$15,638 12	$173,213 53
F. K. Moore	1,115 78	
Sheldon Co	772 98	
Electrical Dept	2,597 45	
General Electric Co	278 81	
Fay & Scott	85 50	
Fay & Egan Co	289 10	
Hill, Clark & Co	114 00	
Bangor Gas Light Co	603 75	
Martins Bros	412 10	
New York Studio	1,151 41	
Bangor Optical Co	244 80	
R. R. Wilmot	10 00	
International Gym Supply Co	888 29	
F. H. Thomas Co	375 27	
Allen Shade Holder Co	532 00	
San. Dust Removing Co	215 00	
West Disinfectant Co	100 50	
Rand, McNally Co	85 95	
Murray Bros. Co	77 80	
Penobscot Mach. Co	183 53	
Haynes & Chalmers Co	291 55	
Fairbanks Co	26 00	
Scott Paper Co	79 03	
Morse & Co	229 76	
Rines Co	6 00	
R. B. Dunning & Co	2 00	
P. H. Vose Co	6 03	
M. E. Hanson	1 55	
The Dole Co	13 58	
N. H. Bragg & Sons	9 93	
Rice & Miller Co	37 94	
M. Schwartz Sons	170 62	
Kewanee Mfg. Co	4,028 48	
Snow & Nealley Co	67 12	
R. S. Turner	33 25	
W. P. Dickey & Co	22 00	
Amounts carried forward	$30,796 98	$173,213 53

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Amounts brought forward	$30,796 98	$173,213 53
Am. Wood Wkg. Mach. Co	14 60	
Connel Co-Op. Co	30 40	
Hamaker-Schelmann Co	66 00	
Linen Thread Co	40 00	
Scientific Equipment Co	5 50	
Wood & Bishop Co	176 40	
C. M. Conant Co	1 50	
F. E. Eldridge Co	275 32	
W. H. Gorham & Co	37 00	
J. F. Gerrity & Co	32 30	
L. P. Patten	164 50	
		$ 31,640 50

MISCELLANEOUS

C. E. Bradbury, trucking	$ 226 56	
L. Moore, same	4 00	
J. G. Hathorn, teaming	56 51	
C. W. Libbey, labor	46 25	
G. W. Wescott and als, expenses on trip for purchase of furnishings	67 80	
C. L. Oswald, same	33 89	
G. W. Cluff and als, same	27 00	
Murtagh Hughes, removing earth from rear of High School building	7,065 39	
		$ 7,527 40
		$212,381 43

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SEWERS

RECEIPTS

Amount of appropriation	$ 15,000 00	
Amount received for assessments and entrance fees	1,815 43	
Amount received for bags returned	42 60	
		$ 16,858 03

EXPENDITURES

W. E. Givren, Supt	$ 950 00	
F. A. Jordan, member sewer board	50 00	
I. P. Watson, same	50 00	
A. H. Black, same	50 00	
City Treasurer, paid sundry men for labor	9,952 00	
		$ 11,052 00
Bangor Brick & Cons. Co., brick	$ 842 00	
Brooks Brick Co., same	9 00	
C. M. Conant Co., pipe	583 94	
R. D. Wood & Co., same	286 88	
R. B. Dunning & Co., cement	101 15	
Eastern Cement Co., same	366 29	
J. E. Largay, sand	168 00	
Queen City Granite Co., stone	9 40	
Bacon & Robinson Co., wood	38 15	
C. Woodman Co., lumber	9 59	
Morse & Co., same	62 63	
Hincks Coal Co., coal	60 66	
James Milliken, salt	19 40	
J. N. Towle & Co., same	3 30	
A. R. Hopkins Co., same	2 90	
G. H. Sampson Co., hose, coupling, etc.	38 85	
Snow & Nealley Co., rope, etc.	16 96	
Penobscot Mach. Co., cesspool tops and repairs	567 81	
Merrimac Foundry Co., manholes and catch basins	163 00	
Amounts carried forward	$3,349 91	$11,052 00

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Amounts brought forward	$3,349 91	$11,052 00
Union Iron Works, repairs	7 86	
John Mason & Son, repairing wagons	35 91	
H. B. Thoms, same	125 12	
J. B. Atkinson, sharpening tools and repairing wagon	126 95	
C. P. Fessenden, sharpening tools	36 75	
J. T. Barnes, same	20	
Kelley Carriage Co., same	3 00	
R. D. McNeil, same	21 80	
M. Shannon, same	4 50	
C. M. Bragdon, same	16 95	
G. McKenney, same	40	
T. F. Cassidy & Son, same	95	
C. H. Babb & Co., galvanized iron work	19 25	
M. H. Lancaster, repairs	26	
Modern Shoe Repg. Co., repairing coats and boots	30 55	
Adams Dry Goods Co., rubber coats	42 45	
Sawyer Boot & Shoe Co., rubber boots	34 04	
Arnold Shoe Co., same	4 36	
Rice & Miller Co., shovels, etc	25 45	
N. H. Bragg & Sons, same	19 20	
Haynes & Chalmers Co., dynamite and tools	133 53	
E. A. Haley, oil	3 35	
H. E. Jellison, same	55	
Staples & Griffin, same	30 93	
Standard Oil Co., same	4 50	
H. L. Bond & Co., galvanized pails	15 65	
J. Cassidy Co., barrel	50	
M. Lynch & Co., keys and locks	3 00	
Bangor Co-Op. Printing Co., printing	10 25	
D. T. Sullivan, office supplies	8 25	
E. F. Dillingham, same	70	
Am. Express Co., express	1 50	
Eastern S. S. Co., freight	25	
M. C. R. R. Co., same	244 38	
Amounts carried forward	$4,363 20	$11,052 00

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Amounts brought forward	$4,363 20	$11,052 00
J. Frank Green, teaming	4 50	
M. Hughes, same	54 00	
G. B. Derby Co., same	1 75	
F. A. Jordan, use of auto	25 00	
W. E. Givren, use of team	150 00	
Henry Lord & Co., insurance	14 18	
W. A. Crocker, carpentry	6 75	
Mrs. C. L. Foster, settlement of damages	2 00	
		$ 4,621 38
		$ 15,673 38
Amount unexpended		1,184 65
		$ 16,858 03

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STREET OPENINGS

RECEIPTS

Amount received for permits		$ 324 57

EXPENDITURES

Paid City Engineers' assistants	$ 174 31	
Amount unexpended	150 26	
		$ 324 57

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STREET SPRINKLING

RECEIPTS

Amount of appropriation	$ 3,500 00	
Amount received for assessments	5,158 91	
	$ 8,658 91	
Amount overdrawn	3,288 51	
		$ 11,947 42

EXPENDITURES

J. Frank Green, on account of contract	$ 2,138 01	
M. Hughes, same	5,300 00	
Standard Oil Co., oil sprinkling	4,320 59	
City Treasurer, paid City Engineers' assistants	179 82	
Geo. A. Daley, teaming	5 00	
Bangor Publishing Co., advertising	4 00	
		$ 11,947 42

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WATER

RECEIPTS

Amount received from the City Council, same being appropriated for water used by the various departments, said amount being deposited account Sinking Fund	$ 12,000 00	
Amount received from W. I. Brown, Collector of Water Department	89,200 00	
Amount received from Incidental Department for water furnished Charitable Institution et al	2,196 00	
Amount received from Highway Department for material furnished	18 00	
		$103,414 00

EXPENDITURES

STREET MAINTENANCE

City Treasurer, for pay rolls	$ 6,695 85
City Treasurer, for salaries	3,000 00
Adams Dry Goods Co., shop supplies	36 00
Addressograph Co., office supplies	40
American Express Co	35
J. M. Arnold Shoe Co., shop supplies	15 90
Atkins Bros., painting	448 11
Baker-Vawter Co., office supplies	16 56
Bangor Co-Operative Ptg. Co., printing annual reports, etc	200 00
Bangor Ice Co., ice for shop	5 15
Bangor Publishing Co., advertising	97 34
J. I. Barnes, saw filing	3 00
J. P. Bass Publishing Co., advertising	53 33
Berry & Smith, supplies	85
Harold L. Bond Co., shop supplies	19 25
N. H. Bragg & Sons, same	59 47
Amount carried forward	$10,651 56

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Amount brought forward	$10,651	56
W. I. Brown, office assistant, assistant at Superintendent's office and other paid vouchers	$ 1,163	98
Burroughs Adding Machine Co., office supplies	3	00
T. W. Burr Ptg. & Adv. Co., printing and posting water rates due notices	93	91
P. J. Byrnes, insurance, Court St. shop	34	50
J. Herbert Boyd, insurance Court St. shop	34	50
Charles Carr Estate, tapping machine fittings	15	00
T. F. Cassidy & Son, shop supplies	3	00
Chandler & Co., supplies for office and shop	6	73
Arthur Chapin Co., supplies for shop	26	46
Fred H. Clifford, advertising	4	50
Columbia Towel Supply Co	4	80
Fred Cort, charcoal	26	88
W. S. Darley & Co., shop supplies	2	50
E. F. Dillingham & Co., supplies for office and shop	33	74
W. H. Dore, painting	5	63
R. B. Dunning & Co., galv. iron pipe and supplies	458	39
Eddy Valve Co., valves	68	43
Fred E. Eldridge Co., painting	54	76
R. E. Freeman, veterinary	3	00
C. H. Glass & Co., office printing	38	25
Hincks Coal Co., shop coal	67	42
Edward Jordan, stable supplies	17	25
Ira H. Joy, printing	4	25
M. H. Lancaster, carpentry	68	15
Library Bureau, office supplies	15	30
Henry Lord & Co., insurance on stand pipe	18	90
Leighton, Leland & Grant, blacksmith work	32	10
B. W. Mayo, plumbing and supplies	23	27
Monach Valve Mfg. Co., shop supplies	4	95
Morse & Company, lumber	65	22
H. Mueller Mfg. Co., shop supplies	4	25
National Lead Co., shop supplies	117	60
Amounts carried forward	$13,172	18

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Amount brought forward	$13,172 18	
New England Tel. & Tel. Co	113 26	
Noyes & Nutter Mfg. Co., shop supplies	1 00	
Penobscot Machinery Co., special castings, etc.	419 01	
Remington Typewriter Co., office supplies	2 00	
Rice & Miller Co., shop supplies	33 56	
Sawyer Boot & Shoe Co., shop supplies	14 49	
M. A. Sinclair, board of horse	216 00	
William P. Smiley, caretaker of standpipe	24 00	
Snow & Nealley Co., shop supplies	21 32	
Stickney & Babcock Coal Co., coal for shop	44 65	
The Haynes & Chalmers Co., shop supplies	12 22	
The Peavey Mfg. Co., shop supplies	18 00	
The Royal Typewriter Co., office supplies	14 25	
H. B. Thoms, stable supplies	91 00	
Underwood Typewriter Co., office supplies	67 25	
Union Iron Works, special castings, etc	453 77	
Union Stamp Works, rubber stamps for office	3 35	
Utterback-Gleason Co., shop supplies	5 00	
Vacuum Oil Co., shop supplies	14 30	
Walworth Mfg. Co., shop supplies	876 53	
F. S. Webster Co., office supplies	1 00	
Wood & Bishop Co., shop supplies	11 95	
Error in transposition of account No. 267	7 25	
		$ 15,637 34

STREET CONSTRUCTION ACCOUNT

City Treasurer, for pay rolls	$ 4,633 34	
N. H. Bragg & Sons, supplies	14 38	
Builders Iron Foundry, special castings	27 00	
W. I. Brown, paid freight vouchers	9 55	
Arthur Chapin Co., supplies	16 26	
Geo. A. Daley, wood	18 75	
Eddy Valve Co., valves	192 00	
Hincks Coal Co., steam coal	5 44	
Maine Central Railroad Co., freight on pipe	150 34	
National Lead Co., supplies	286 67	
Amounts carried forward	$ 5,353 73	$15,637 34

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Amounts brought forward	$5,353 73	$15,637 34
Rice & Miller Co., dynamite, etc	20 83	
The Haynes & Chalmers Co., dynamite, etc	48 12	
The A. P. Smith Mfg. Co., special castings	127 60	
R. D. Wood & Co., cast iron pipe	5,601 94	
Standard Cast Iron Pipe & Foundry Co., cast iron pipe	675 61	
		$ 11,827 83

PUMPING STATION MAINTENANCE

City Treasurer, for pay rolls	$ 3,905 24	
City Treasurer, Engineer's salary	1,200 00	
Berry & Smith, supplies	50	
N. H. Bragg & Sons, supplies	14 74	
T. F. Cassidy & Son, supplies	3 25	
Arthur Chapin Co., supplies	11 74	
Citizens Ice Co., ice	13 20	
Connor Coal & Wood Co., wood	2 00	
Geo. B. Derby Co., carting	75	
Fred E. Eldridge Co., painting	6 24	
John B. Finn, slating	22 55	
W. H. Gorham Co., painting	61 00	
Hincks Coal Co., coal	1,054 06	
Megquier-Jones Co., supplies	5 14	
Morse & Co., lumber	21 97	
A. R. Kenney, mason work	7 75	
Penobscot Machinery Co., stock and labor	44 70	
W. F. Perry, mason work	21 00	
Quaker City Rubber Co., supplies	1 14	
Rice & Miller Co., supplies	7 44	
M. Schwartz Sons, supplies	220 61	
Snow & Nealley Co., supplies	13 63	
Stickney & Babcock Coal Co., coal	611 72	
Stickney & Babcock Coal Co., wood	15 00	
The Garlock Packing Co., supplies	19 47	
The Haynes & Chalmers Co., supplies	3 91	
Thompson Mfg. Co., cogs	33 27	
Amounts carried forward	$7,322 02	$27,465 17

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Amounts brought forward	$7,322 02	$27,465 17
Union Iron Works, contract installing new boiler	1,647 56	
Union Iron Works, stock and labor	482 14	
Vacuum Oil Co., lubricating supplies	191 22	
Baker & Hodge, insurance Pumping Station buildings	66 88	
P. J. Byrnes, insurance same	66 86	
L. Kirstein & Sons, insurance same	66 88	
W. W. Palmer, insurance same	66 88	
		$ 9,910 44

FILTER PLANT MAINTENANCE

City Treasurer, for pay rolls	$ 2,618 52	
W. I. Brown, paid sundry vouchers	122 25	
Builders Iron Foundry, recording charts	6 14	
J. Bachelder Co., supplies	94	
James M. Caird, for professional services and payment to resident chemist, Alexander Powell, for services	1,545 01	
Citizens Ice Co.	26 50	
Columbia Towel Supply Co.	2 25	
Eastern Cement Co., cement	12 65	
Electrical Department, supplies and labor	78 44	
Fred E. Eldridge Co., painting	11 75	
Eimer & Amend, laboratory supplies	105 82	
Fairbanks Co., labor and stock	2 00	
W. H. Gorham Co., painting	6 50	
J. Frank Green, straw and sand	10 32	
A. R. Hopkins Co., lime	279 00	
New York Continental Jewell Filtration Co., valves	34 50	
Pennsylvania Salt Mfg. Co., sulphate of alumina	4,825 52	
Same, other supplies	23 06	
J. F. Singleton, insurance, Filter Plant bldgs.	94 00	
Amount carried forward	$9,805 17	$37,375 61

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Amounts brought forward	$9,805 17	$37,375 61
Smith & West, electrical work	7 10	
Henry Stowell & Son, printing	17 60	
The Dole Co., supplies	3 50	
P. H. Vose Co., supplies	75	
		$ 9,834 12

DAM AND PIERS ACCOUNT

City Treasurer, for pay rolls	$ 199 00	
Morse & Co., lumber	68 96	
The Haynes & Chalmers Co., supplies	11 00	
Thos. E. Sullivan, caretaker of fishway	50 00	
		$ 328 96

METER ACCOUNT

City Treasurer, for pay rolls	$ 135 42	
American Express Co	1 65	
National Meter Co., meters and supplies	71 31	
Thomson Meter Co., meter	50 00	
		$ 258 38

INTERSET AND WATER BONDS ACCOUNT

H. O. Pierce, City Treasurer, paid interest on Water Works bonds	$ 22,470 00	
H. O. Pierce, City Treasurer, paid Water Works Improvement Bonds	10,000 00	
		$ 32,470 00

SINKING FUND ACCOUNT

Appropriation to Sinking Fund	$ 12,000 00
	$ 92,267 07
Unexpended balance	11,146 93
	$103,414 00

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RECAPITULATION

Street Maintenance	$ 15,637 34	
Street Construction	11,827 83	
Pumping Station Maintenance	9,910 44	
Filter Plant Maintenance	9,834 12	
Dam and Piers Account	328 96	
Meter Account	258 38	
Interest and Water Bonds	32,470 00	
Sinking Fund	12,000 00	
Unexpended balance	11,146 93	
		$103,414 00

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REPORT OF SUPERINTENDENT

Department of Supplies

BANGOR, ME., February 1, 1914.

To His Honor the Mayor, and City Council:

GENTLEMEN:—I herewith submit the first report of the Department of Supplies which was placed in active operation on the first day of December, nineteen hundred and thirteen, and in spite of the general impression of the public that I was likely to meet with obstacles and opposition, I am happy to say that I have been generously treated by the heads of the different departments; the principal difficulty in operating a new department at first is the upsetting of old established customs and adopting new ones. *"The belief that things are sacred because they are Old, or Dangerous because they are New, arises like a Mountain Chain across the Path of Progress."*

This Department being put in operation so late in the municipal year, and so little actual information readily obtainable concerning previous purchases of supplies, no full comparison can be rendered without an endless search through the vouchers and files in the Treasurer's office for information; it is however a matter of record that recent purchases are at a lower price than formerly charged for the same goods, resulting from the stimulus of competition. A few comparisons follow:—

Item I.	Old price.....	$ 1 10	Now.....	$ 66⅔
Item II	Old price.....	4 50	Now.....	4 00
Item III.	Old price.....	6 00	Now.....	4 00
Item IV.	Old price.....	12	Now.....	02½

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Item V.	Old price.....	15	Now.....	08
Item VI.	Old price.....	1 35	Now.....	1 00

and innumerable other instances can be cited by reference to the city files.

One Bangor dealer made the statement that I could save $300.00 on one commodity handled by him, but is opposed to this department. WHY? He claims that he is entitled to this additional profit so that it might help out on his taxes, regardless of the fact that 90% of the taxpayers do not sell any goods to the city and would not be benefitted to the same extent that he would be. Even at the lower price that I am now buying goods there are other dealers glad to have the business at a smaller profit. If $300.00 could be saved on each of the many commodities purchased for the city, the saving would be stupendous, while it would only require ten such items to more than save the cost of administrating this department. On one item alone I made a saving of $89.20 and on another $76.00. It is and has been my policy to buy from Bangor dealers whenever possible.

I have not yet been provided with a suitable office, and without a clerk or assistant I am necessarily confined too closely to City Hall when I might be busy elsewhere to good advantage.

I have established a system by which ready reference may be made now to a record of any purchase made through this department, giving requisition number; order number; from whom purchased; commodity; price; for what department; amount; previous purchase; whether bill has been approved for payment; etc. The records of this office are at all times open to the inspection of those who may have a direct desire for information pertaining to any transaction. In addition, I plan a more detailed record so that any disputed account may be promptly checked and settled; this would avoid a repetition of a circumstance in February wherein the Treasurer was put

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to a great inconvenience in searching and checking to straighten out an account running throughout the year of 1913. This class of work and fret should not be imposed on the Treasurer causing the delay of other more important matters, therefore I have suggested a change in routine of accounting by an amendment to the Ordinance on "Accounts and Claims" under which the present routine is conducted, the amendment to also provide to give authority to the Treasurer to make prompt payments and obtain discounts. Also an amendment to the ordinance on "Department of Supplies" giving the Superintendent authority for clerk hire, authority to condemn property requiring repairs if in his judgment the repairs would not justify the outlay, and to use his discretion in buying in excess of $300. without advertising, provided that the approval of the Committee of the department making requisition and Committee of Department of Supplies is obtained. For example I have reported to the Board of Aldermen an instance wherein the Fire Department requisitioned one piece of apparatus costing $150.00 singly, and another piece costing $230.00 singly; both being patented articles, manufactured by one concern only, no competition and no benefit to be derived from advertising. No opposition being made to taking advantage of the opportunity of buying these two pieces together at a price of $304.00 net instead of $380.00 if bought singly, trade will be completed at a saving of $76.00.

I recommend that the Street Commissioner to be elected in March, 1914, take into consideration the purchase of ten new sets of harness, for the reason that those now in use at the Highway Department have been continually repaired during 1913 and have been a constant bill of expense; with new harnesses and the elimination of repair bills and lost time much saving should be made.

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I also recommend that the head of each department, as soon as he can make a schedule of his requirements, furnish this department with an estimate of quantities of commodities required in his department so that purchases may be made in quantities in advance at lower figures by taking advantage of market conditions—not waiting until goods are actually needed before making requisitions.

I also recommend that no contract or purchase of any description be made, nor any verbal order of the Mayor, Highway Commissioner or Street Engineers be carried out without being made a record of this department, thus avoiding the possibility of later disputes; this applies to contracts for street paving, sprinkling, sidewalk construction, hauling gravel, etc., and *particularly* to the Deputy Highway Commissioners or Road Agents of the different outlying districts—that when such "Road Agents" are appointed, notification be sent to this department, and that they be required to report weekly of work done or being done.

I have already accomplished much of the desired improvement regarding supplies, repairs, etc., and if my recommendations are carried out and I am given sufficient authority, I can promise still further improvement.

The number of orders issued from December first to February 28th was 1331, and covering only the last quarter of the municipal year when all appropriations are practically exhausted does not represent the normal volume of purchases as compared with the first quarter.

To those of our citizens who have been acquainted in the past with the system by which purchases of supplies for the city were made, a knowledge of the present system can not help but meet with general approval.

That there has been only *one* complaint lodged against the department, and that this one complainant declined to be a

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party to any investigation, having announced that he was fully satisfied, reflects credit upon the department and establishes the integrity of the system beyond a doubt.

Respectfully submitted,

F. H. MEINECKE.

Superintendent of Supplies.

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Report of the Fire Chief

To His Honor, the Mayor, and Members of the City Government:

GENTLEMEN:—In accordance with the requirements of the City Ordinance it becomes my duty as Chief Engineer to present to you for your approval the annual report of the Fire Department of the City of Bangor for the year ending February 28, 1914.

There is presented in this report a complete number of the fires that have occurred in the past year or those that have had the attention of the department together with the losses on the same and insurance thereon; also, an inventory of the apparatus and the condition of the same and a statement of the cost of maintaining the Fire Department, etc.

Expenditures	$ 49,272 60	
Appropriations and Credits	48,361 49	
Overdraw		$ 911 11

APPARATUS

The department has at the present time three engines, four hose wagons, one combination chemical and hose wagon, one combination chemical hose and ladder wagon, one aerial truck, 2 ladder trucks and also chief's wagon and pung, which are in need of a general overhauling.

HORSES

There are at present twenty-six horses in the department. During the past year we have purchased one, one has died and

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one was exchanged. At the present time the horses that are used on Hose 5 wagon are long past their usefulness and should be replaced by a younger pair. These horses have been in the department thirteen years and in my opinion should not be traded for new ones but taken care of.

HOSE

At present we have 13,950 feet of hose, of which 9,500 feet is in first-class condition and the other 4,500 feet is second-class. We used during the past year 45,900.

FIRE ESCAPES

Fire escapes erected in the past year:

Odd Fellows Building
Bijou Theatre
1 Allen Street School House
1 Pond Street School House
1 Pearl Street School House
J. P. Bass Building, Exchange Street, in process.

MANUAL FORCE

The manual force of the department consists of the following:

Chief Engineer, three district chiefs, four engineers of steamers, seventy-seven call men and twenty-four permanent men stationed as follows:

Fourteen central station, two Hose 2, two Hose 3, four Hose 4, five Hose 5, four Hose 6.

Four hose companies, one ladder company, one chemical and hose company, one chemical, hose and ladder company.

ALARMS

The department in the past year responded to 249 calls, of which 92 were bell alarms, 157 still calls.

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Of these fires 167 were in wooden buildings, 47 in brick or stone buildings, 26 grass or dump fires, 2 in automobiles, 2 in freight cars and four false alarms.

We also responded to a call from East Hampden.

VALUATION OF PROPERTY

Valuation of property involved in the fires of the past year was $1,543,212.47, insurance on property $908,155.00, the loss on same was $127,758.90.

During this past year we have suffered by two serious fires, the Opera House and Daily News fires.

Inspections have been carried on in the past year to a large extent and by so doing things are kept in the most satisfactory condition.

RECOMMENDATIONS

I wish to recommend the purchase of 3,000 feet of hose; at the present time we have 13,950 feet which is 700 feet less than we had a year ago.

I also wish to recommend the purchase of one pair of horses for Hose 5, those there now are past their service.

RAISE IN SALARY

The question of allowing the members of the department more pay has been brought before the Council during the past year. The call men were allowed a raise of $50.00 which was very reasonable.

The permanent men also asked for an increase but on account of the financial condition of the city it wasn't deemed advisable. But I hope during this next year that it will have your approval which I believe to be reasonable and should be complied with.

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CONCLUSIONS

In conclusion, I wish to extend my thanks to His Honor, the Mayor, and the members of the Council, for the interest taken in the department, and in all matters pertaining to it.

To the department of police I extend my thanks for their valuable aid given at fires, and all other times when desired. To the press and reporters, I take this opportunity to express my thanks for the reports given to the public of the workings of the department, and to all citizens aiding the department at times of fire, or other times, and also the New England Tel. & Tel. Co. for the efficient service that they have rendered this department at all times.

The officers and men of the department have my commendation and my many thanks are extended for their faithful and valuable services given at all times.

Respectfully submitted,

W. S. MASON,
Chief Engineer.

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Report of Harbor Master

To the Mayor and the City Council of the City of Bangor:
GENTLEMEN:—

The Harbor Master respectfully submits his report for 1913-14.

The ice left the river Saturday, March 22nd, and the port closed to navigation Sunday, December 28th, 1913; open to navigation 282 days.

During which time 989 vessels arrived, classified as follows: 437 steamers, 405 schooners, 113 barges, 32 steam and gasolene yachts, 1 rock drill, 1 dredge, with a total gross tonnage of 751,400 tons.

Foreign vessels arrived 2, arrived from Foreign Ports 2, cleared for Foreign Ports 3.

During the year merchandise as follows arrived by vessels: 350,049 tons of coal, 78,500 barrels kerosene and gasolene, 10,025 casks of lime, 2 tons of white lead, 970 tons sand and gravel, 339 tons of paper, 31,280 casks of cement, 208 M lumber, 100 tons of pig and bar iron, 3,786 tons of phosphate, 29,196 bushels of salt, 2 ton putty, 3 ton sheet lead, 161 bundles wagon fellows, 4 ton paint, 40 barrels oil, 89 boxes window glass, 16 barrels whiting, 100 barrels fishing bait, 60 crates axle grease, 14 packages croquet sets, 37 tons poultry feed, 2 ton lead pipe, 60 cases doors, 3 barrels shellac, 2 ton steel, 1 barrel brimstone, 1 barrell saltpetre, 15 bundles cans, 10 bundles sand paper, 3 bundles emery paper, 836 ton stone, 70 cases ammunition, 144 cases rifles, etc., 66 M hoops, 180 ton clay, 500 empty oil

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barrels, 512 ton oyster shells, and 190,590 lbs., and 1,160 barrels of fish.

Respectfully submitted,
JOHN C. WILSON,
Harbor Master.

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Report of Street Commissioner

To the Honorable Mayor and City Council, City of Bangor, Maine:

GENTLEMEN:—Herewith I submit my report as street commissioner for the year 1913.

Last March when I was elected to the office of street commissioner, I found the streets and highways in a seriously worn out condition. Some two or three inches of the top had been worn to dust and blown away, leaving the cobble stones sticking up and making it very hard to ride over, as well as dangerous. The King split log drags, which the city had and used to smooth the rough roads in the spring of the year, had all been cut up and used for firewood and the chains with which they were hauled were also missing, so we had to make new ones before the work of smoothing up could be done. There was no gravel that could be had until well into the summer. The only material we had for repairing streets was crushed rock, which is very expensive, costing much more than gravel. Of this material we used upon the streets during the past season 4,621 square yards at a cost, when spread upon the streets, of $13,863. We used upon the streets 22,423 yards of gravel at an expense of $33,634.50. We also used upon the sidewalks this winter 1200 yards of sand at an expense of $2400.

The City Council in making the appropriations, appropriated for the maintenance of streets and highways $55,000. In previous years it had cost about $75,000.

The City Council then proceeded at each meeting to vote away money upon improvements, such as crosswalks, sidewalks, curbing and woodblock paving to the extent of $59,708.15,

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none of which was contemplated when the appropriation was made. They seemed to have a mania for charging all they could think of to the highway department, even going so far as to vote to pay half the cost of cellar walls that adjoined the streets and have that charged to the highway department. They kept on voting away money and having it charged to this department until the department had been charged with over $125,000. This department seemed to be a sort of dumping ground with some members of the City Council for everything that seemed to be questionable.

We set about one mile of curbing this year which cost from $1.50 to $4 per foot when set.

The concrete voted by the city council cost over $10,000.

The special work ordered by the city council and charged to the highway department was:—

Concrete	$10,000 00	
Auto Truck	3,400 00	
Exchange St. woodblock paving	8,760 00	
State St. paving	11,182 00	
Hancock St. paving	3,190 00	
Harlow St. paving	11,811 00	
Special curbing and paving gutters	10,000 00	
Retaining walls	1,500 00	
Central street	500 00	
Old bills for 1912	1,700 00	
Total		$62,763 00

The total amount charged to the highway department is $129,521.67. Deduct from this the amount expended by orders of the city council and we find the amount spent by the Street Commissioner is $66,758.57. In 1912 the street commissioner expended $76,794.86. which is $10,035.71 more than was spent this year, notwithstanding we sprinkled many streets with oil and removed a large amount of rubbish. Three two-horse teams with twelve men worked 95 days hauling garbage, hauling in all

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5,695 two-horse loads. The road machine worked 119 days; the steam roller 111 days; the auto truck 145 days; we had eight men cleaning crosswalks, 230 days.

It has been very hard keeping the streets in good conditions on account of the large amount of rain we had during the summer and fall. We had a great many snowstorms this winter with heavy winds, thus making it very expensive to keep the streets in good condition.

F. O. BEAL, Commissioner.

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Report of the Public Library

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BOARD OF MANAGERS
1914-15

John G. Utterback (Mayor) *President*
Arthur Chapin
Frederic W. Adams
William F. Curran
Henry O. Pierce (City Treasurer)
} Hersey Fund

Daniel A. Robinson, *Vice President*
Charles F. Bragg
Bernhard Pol
Thomas U. Coe
} Mechanic Association

SECRETARY AND TREASURER

Everett F. Rich

COMMITTEES

Auditing, Mr. Pol
Finance, Mr. Bragg
Library, Dr. Robinson, Dr. Coe, Mr. Chapin
Purchasing, Dr. Coe

OFFICERS OF THE LIBRARY

LIBRARIAN

Charles A. Flagg, B. L. S.

Associate Librarian

Mrs. Mary H. Curran

Assistants

Miss Carrie C. Mayberry
Miss Annie E. Wayland
Miss Grace H. Bolton
Miss Eva E. Rand
Miss Carrie F. Rich
Miss Nellie L. Bullock
Miss Hortense E. Harding
Miss Pauline M. Murphy

Janitor

Timothy E. Hollihan

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Report of the Trustees of Income of the Hersey Fund

BANGOR, January 31, 1914.

To the City Council of the City of Bangor:

The Trustees of the Income of the Hersey Fund submit their annual report. They have received from the City Treasurer the sum of four thousand dollars ($4,000) in quarterly payments, which have been paid to the Treasurer of the Board of Managers of the Bangor Public Library.

They also submit, herewith, the annual reports of the Treasurer of the Board of Managers of the Bangor Public Library, and the Treasurer of the Board of Trustees of said Library, and of the Purchasing Committee, and of the Librarian, together with the By-laws of the Board of Managers and the Rules of the Library now in force.

FLAVIUS O. BEAL
ARTHUR CHAPIN
FREDERIC W. ADAMS
WILLIAM F. CURRAN
HENRY O. PIERCE
Trustees of the Income of the Hersey Fund.

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THE LIBRARY BOARDS

Under terms of the will of Hon. Samuel F. Hersey, who died in 1875, the City of Bangor was left a certain part of his estate, to become available in 1900 as a fund for educational purposes. The sum of $100,000 was accepted by the City in 1883 in full of all claims against the Hersey estate, and the city government voted to use the entire sum for the establishment of a Public Library. The management of the legacy was entrusted to a board of five members, known as the "Trustees of the Income of the Hersey Fund," and consisting of the Mayor, the City Treasurer and three others, one elected each year by the City Council.

These Trustees agreed with the "Bangor Mechanic Association" (which had for many years maintained a library and reading room for its members) to combine interests and establish the "Bangor Public Library", with the 20,000 volumes of the Mechanic Association as a nucleus, and its $12,000 of invested funds and the $100,000 Hersey fund as endowments. The "Trustees of the Income of the Hersey Fund" and four representatives chosen annually by the "Bangor Mechanic Association" constitute the "Board of Managers of the Bangor Public Library."

When in 1893 the question of erecting a library building began to be agitated, the "Board of Managers" was incorporated under state law as the "Board of Trustees of the Bangor Public Library" with power to acquire and hold real estate; the personnel of the two bodies being the same but their functions quite distinct.

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Reports of the Treasurer

E. F. RICH, Treasurer,
In account with Managers of Bangor Public Library

DR.

1913		
To Balance from previous year, Jan. 17, 1913		$28,177 66
Received from State of Maine	$ 750 00	
Received from City of Bangor:		
Int. on Hersey Fund	4,000 00	
Annual appropriation	6,000 00	
Income from Bangor Mechanic Asso	1,080 00	
Rebate on insurance	9 06	
Rebate on U. S. Catalogue	16 20	
Gift of Miss Charlotte Roberts for books	25 00	
Fines collected	210 06	
Cards	1 50	
Sundries	20 32	
Interest on deposit Second Nat'l Bank	100 15	
Interest on deposit Bangor Sav. Bank	390 10	
Interest on deposit Penobscot Sav. Bank	368 70	
		$12,971 09
		$41,148 75

CR.

Disbursements for year:		
Salaries, Librarian, Associate and Assistants	$4,116 66	
Substitutes and extra work	397 45	
E. F. Rich, Treas	50 00	
T. E. Hollihan, janitor	176 67	
Books	6,279 50	
Binding	482 50	
Printing	335 65	

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Supplies	778 56	
Gas	134 27	
Telephone	27 00	
Typewriter	90 00	
Moving	136 98	
Storage	22 00	
Insurance	29 89	
Box rent, Merrill Trust Co	10 00	
Framing picture	9 25	
Sundries, for repairs, cleaning, etc	32 19	
		$13,108 57
Deposits, Second National Bank	10,787 81	
Bangor Savings Bank	6,440 03	
Penobscot Savings Bank	10,812 34	
		$28,040 18
		$41,148 75

Respectfully submitted,
EVERETT F. RICH, Treasurer.

BANGOR, MAINE, January 19, 1914.

Having examined the foregoing report of Everett F. Rich, Treasurer, I find the same correctly stated and properly vouched and the deposits as stated, $28,040.18.

BERNHARD POL, Auditor.

BANGOR, MAINE, January 19, 1914.

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EVERETT F. RICH, Treasurer,
In account with Trustees of Bangor Public Library

1913	Dr.			
To Balance on hand, Jan. 17, 1913				$14,008 46
Sale of $10,000 City of New York 4½% at 98⅛—1-16		$9,806 25		
Interest accrued on same		31 88		
Sale of 29 Shares First National Bank stock at 150 flat		4,350 00		
Sale of $9,000 City of New York 3½% at 97⅞		8,808 75		
Interest accrued		36 75		
Sale of $7,000 City of New York 3½% at 97⅝		6,833 75		
Interest accrued		28 58		
Sale of $8,000 City of Boston 3½% at 83		6,640 00		
Interest accrued		19 44		
Sale of $10,000 Hudson County, N. J., 4% at 92¾		9,275 00		
Interest accrued		200 00		
Sale of $10,000 City of New York 3% at 90½		9,050 00		
Interest accrued		13 33		
Sale of $8,000 City of New York 3% at 88⅛		7,110 00		
Interest accrued		43 33		
Sale of I. M. Currier Homestead, ½		3,500 00		
I. M. Currier Estate, sale of hay, ½		25 00		
Interest on bonds				
City of New York	$1,032 50			
City of Boston	140 00			
City of Los Angeles	900 00			
Iowa Loan & Trust Co	45 00			
Hudson Co., N. J	200 00			
Merrill Trust Co., interest on Certificate of Deposit	54 83			
Bangor Savings Bank dividends	45 66			
		2,417 99		
				$68,190 05
				$82,198 51

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By Disbursements:

Geo. H. Wilbur & Son, on account of contract		$42,343 60
Huey Bros. Co., same		5,096 90
John Evans & Co., on account G. H. Wilbur		1,818 00
C. H. Babb & Co., on account		1,720 00
Peabody & Stearns, on account		1,000 00
Peabody & Stearns, services Mr. Rathbun		691 08
R. D. Kimball Co., on account		69 34
The Dole Company, on account		2,536 00
Mosler Safe Co		150 00
Snead & Co., Iron Works, Stacks		7,982 00
Snead & Co., Stacks, basement		2,115 00
Snead & Co., book supports		258 73
F. S. Payne & Co		1,320 00
Pettengill-Andrews Co., on account		1,469 44
Library Bureau		4,588 00
Martins Bros		141 35
John G. Harthorn		379 33
John M. Ward		13 50
Insurance:		
Freeland-Mann Co	$50 00	
J. W. McClure & Son	50 00	
Baker & Hodge	50 00	
J. M. Bright	50 00	
Pearl & Dennett Co	50 00	
W. F. Curran	50 00	
Blake, Barrows & Brown	50 00	
W. W. Palmer	50 00	
J. F. Singleton Co	50 00	
J. H. Boyd	50 00	
		500 00
Supplies:		
West Disinfecting Co		96 75
Adams Dry Goods Co		2 00
R. B. Dunning & Co		21 02
Cudahy Packing Co		7 50
P. H. Vose Co		13 35

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H. J. Dallman Co	6 25	
Scott Paper Co	33 86	
Rice & Miller Co	19 30	
N. H. Bragg & Sons	43	
Morse & Co., extra keys	3 69	
E. F. Rich, salary as Treasurer	250 00	
E. F. Rich, salary as Secretary	200 00	
A. B. DeCosta, caretaker Currier property, 7½ weeks	37 50	
M. C. R. R., freight	80	
G. B. Derby Co., trucking	2 50	
Blake, Barrows & Brown, renewal of bond	40 00	
Shepley Granite & Marble Works	2 00	
Mrs. Madie Ogilvie, cleaning	11 62	
		$74,940 84
Deposit in Bangor Savings Bank		7,257 67
		$82,198 51

Respectfully submitted,
EVERETT F. RICH, Treasurer.

BANGOR, MAINE, January 19, 1914.

Schedule of Securities Held by the Trustees of Bangor Public Library

	January 17, 1914.
Iowa Loan & Trust Company debentures, 4½% due July 1, 1919	$1,000 00
City of Los Angeles, Cal., 4½% W. W., due Dec. 1, 1941	20,000 00
	$21,000 00

I hereby certify that I have examined the foregoing account of Everett F. Rich, Treasurer of the Board of Trustees of Bangor Public Library, and find it correctly stated and sufficiently vouched, with $7,257.67 on deposit, and the Securities $21,000 in his custody as stated.

BERNHARD POL, Auditor.

BANGOR, MAINE, January 19, 1914.

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EVERETT F. RICH, Treasurer of the Patten Fund,
In account with Trustees of Bangor Public Library

DR.

1913			
Jan. 17	To balance on hand		$ 116 62
1914			
Jan. 20	Receipts to date:		
	Bangor & Aroostook coupons	$ 50 00	
	Iowa Loan & Trust Co. coupons	100 00	
	Milwaukee Gas Co	40 00	
	Bangor Savings Bank Div	4 01	
			$ 194 01
			$ 310 63

CR.

1914			
Jan. 20	By disbursements to date:		
	Himebaugh & Browne	$ 22 95	
	Freud & Co	18 50	
	DeWolfe & Fiske Co	55 28	
	E. F. Dillingham	41 63	
	Balance in Bangor Savings Bank	172 27	
			$ 310 63

EVERETT F. RICH, Treasurer.

The following items show the investment of the Patten Fund for the Bangor Public Library, in custody of Everett F. Rich, Treasurer:

Bangor & Aroostook R. R. Co. Piscataquis Div. No. 76, due Jan. 1, 1943	$1,000 00
Iowa Loan & Trust Company, 5%, due 1922	2,000 00
Milwaukee Gas Co. First Mort. 4% No. 2739, due May 1, 1927.	1,000 00
	$4,000 00

I hereby certify that I have examined the foregoing account of Everett F. Rich, Treasurer of the Patten Fund of Bangor Public

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Library, and find it correctly stated and sufficiently vouched, and the balance, $172.27, deposited in Bangor Savings Bank, and the Securities, $4,000, in his custody as stated.

BERNHARD POL, Auditor.

BANGOR, MAINE, Jany. 19, 1914.

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Report of Purchasing Committee

To the Board of Managers of the Bangor Public Library:

The Purchasing Committee respectfully submits the following report of expenditures for books and repair of books during the year 1913.

Three thousand and sixty-nine volumes were purchased during the year at a cost of $6,120.19. The amount for binding was $479.48. The cost of the magazines supplied to the Library $269.44.

The Patten Fund, the income of which is used for the acquirement chiefly of books valuable for reference, paid $138.36 for a number of volumes included in the above enumeration.

The library of the late General Hamlin, which has been in the McLaughlin Storage Warehouse since its purchase, has now been placed upon the shelves in the new Library Building.

Books purchased are classified as follows:

	Volumes
General Works	462
Philosophy	34
Religion	106
Sociology	338
Philology	2
Natural science	93
Useful arts	69
Fine arts	213
Poetry and Drama	45
General literature	110
Travels	191

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Biography	307
History	851
Fiction	248

Mrs. Mary H. Curran prepared lists of books for purchase until her resignation in the autumn of 1913. Her resignation after many years of faithful care of the interests of the Library, was occasioned by her unwillingness to assume increased responsibilities on account of the uncertain condition of her health.

After the resignation of Mrs. Curran, Mr. Charles A. Flagg, for some time connected with the Library of Congress, was elected Librarian, Mrs. Curran retaining a position in the Library with the title Associate Librarian.

Since Mr. Flagg's election he has prepared the lists of books for purchase, for which duty he is admirably fitted by his fondness for books and his long experience in the Congressional Library.

Respectfully submitted,

THOMAS UPHAM COE.

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Report of the Librarian

To the Board of Managers of the Bangor Public Library:

I have the honor to submit the 31st annual report of the Bangor Public Library, covering the calendar year 1913. For the last eight months the Library has been under my charge, and during the closing eleven days of December in our magnificent new building on Harlow Street.

SIZE AND GROWTH

The number of volumes in the Library on Jan. 1, 1913, was 13,208. During the year there has been a gain of 9,074 volumes. The largest sources of increase were purchases of 3069 volumes, gifts of 1827 volumes, periodicals bound 338 volumes and the Hamlin Library of 3930 volumes bought in 1911 but now first recorded.

Number of volumes in the Library, Jan. 1, 1914, was 22,282. In addition, pamphlets have increased from 5,662 to 7,875.

No account is made of the mass of unrecorded material: about 50 boxes of books and pamphlets; also several thousands of loose, unbound magazines presented by Bangor people and held till space in the new building should render it possible to sort and arrange for binding. We expect that 1914 will see all this matter assimilated as well as the current accessions of the year.

With no reading or reference room, shelf space long exhausted, our collection scattered in various places and thousands of

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books not catalogued at all, no systematic buying has been practicable. Such purchases as were made came chiefly under three heads: desirable older standard books offered at rates which made their purchase advisable; a few valuable and expensive reference sets for future use in the new building; and certain books of the day in special immediate demand.

Statistics may be found in Appendix A, D, and I.

PAMPHLETS

Statistics for pamphlets appear as such for the last time in this report. All pamphlets of a serial nature are now listed on serial record cards like magazines, and pamphlets of an independent or monographic character are being treated as books, and accessioned and catalogued accordingly.

Henceforth certain pamphlets of special value will be sent to the bindery, regardless of size; for others likely to receive somewhat less use we have provided a supply of inexpensive board covers of various sizes and easily applied; while the remainder, not important enough to deserve any binding, will be placed in their proper order on the shelves in manila envelopes, properly inscribed. See Appendix E.

SERIALS

All unbound publications of a serial nature, whether periodicals or issued at irregular intervals, are now listed, as received, on specially ruled record cards, each card showing exactly what the Library has and date of its receipt.

In our new building the leading popular magazines for reading room use have been placed in new magazine cases, accessible to readers. All other serials are alphabetically arranged in the stack room until bound, when they are classified as books.

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The practice of purchasing extra copies of the leading magazines and circulating them is still continued.

Number of serials recorded during 1913, 1,820.

An alphabetical list of our current serials may be found in Appendix K.

OPENING, REGISTRATION AND CIRCULATION, 1913

The Library has been open every day from 9 a. m. during the year except Sundays, holidays and Dec. 19, when it was closed for a single day on account of moving. Before the removal the hour of closing was 6 p. m.; in the new building, 9 p. m. The children's room closes at 6 p. m. During the past summer the Library closed at 1 p. m. on Saturday.

5,576 cards were issued during the year; one card to a non-resident.

The total circulation for the year was 57,918; being an average of 10 and 38-100 books per card, during the year, or 2 and 34-100 books for every inhabitant of Bangor, or an average circulation of 4 and 38-100 times for each book in the library at the opening of the year.

Of the works issued 7,520 were unbound magazines, and 41,591, or almost exactly 70 per cent, were fiction.

Statistics of circulation are given in Appendix F-G.

DELINQUENT BORROWERS

There has been about the average amount of trouble with overdue books, requiring postal notices, occasional second notices and in a few cases special messengers. The record shows a loss by borrowers of 15 books of which 9 were replaced.

It seemed wise on the opening of our new building to remit all accrued fines and penalties, and notice to that effect was printed in the daily press. Thus every resident of Bangor has

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begun the new year 1914 with public library privileges available. It may be needless to add that this is a special concession to signalize our removal; the Library rules are now strictly enforced.

Statistics are given in Appendix H.

GIFTS

The Library has been the recipient of many useful and valuable works during 1913. The various departments and bureaus of the United States government, the Maine State Library, etc., have contributed material as usual.

Among important individual gifts we would mention: a set of the first series of the "Manual of conchology," 17 volumes from Dr. Thomas Upham Coe; nearly 200 volumes from the Maine Historical Society including "Official records of the war of the rebellion" and "Maine farmers' almanacs;" (which do not appear in the gift list as they have not been unpacked); 26 volumes from Prof. Francis G. Benedict and wife of Boston; 109 volumes from Miss Elizabeth Talcott, from the library of her father (including some magnificent examples of early printing and especially "Questiones disputate" by Saint Thomas Aquinas, printed at Lubeck by Johannes Koelhoeff, 1475 and "Epistolae" of St. Jerome, in two large folio volumes printed at Parma 1480, and understood to have belonged to the celebrated Melanchthon, with notes in his handwriting); 190 volumes from Dr. William S. Dennett of New York, formerly of Bangor; 50 volumes of reports of the Massachusetts State Board of Health, sent at the request of a member, Hiram F. Mills, formerly of Bangor to replace the set destroyed in the fire; 36 new books on European life in the 16th century bought and presented by the Shakespeare Club; Grove's "History of music and musicians" given in memory of Mrs. June P. Roberts;

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80 miscellaneous works from Miss Katherine Patten of Minneapolis; a large number of books and magazines from J. Putnam Walker; 225 volumes mostly medical from the estate of Dr. Atwell W. Swett; 7 volumes from Miss Jane B. Pickering; 114 volumes from Samuel D. Thompson of East Orange, N. J., from the library of his father; 32 miscellaneous works from Mrs. Abby C. Philbrook; the second volume of Judge Williamson's "History of Belfast" published since his death and presented by his children; and many others. Total additions by gift were: books, 1,862; pamphlets and magazines, 3,602; A complete list of givers is printed in Appendix J.

CLASSIFICATION AND CATALOGUING

The classification and accession of additions continues to be in charge of Mrs. Curran. The 8th or 1913 edition of Dewey's "Decimal classification" is now our standard, with certain specified modifications.

In our card catalogues the printed Library of Congress cards have been used to some extent from their first issue in 1898, and are now sent for in the case of every accession; typewritten entries being made on a similar plan for such works as are not represented in the Library of Congress stock. This has brought about such a divergence from the older usage that a new card catalogue has been started. Its nucleus was the card catalogue of the Hamlin collection made during the summer and fall under the direct charge of the librarian, and since November all cards for new books have been filed in it, while the old card catalogue will be revised and incorporated in it as rapidly as possible.

The actual work on the card catalogues requires full time of one assistant and partial time of two others.

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PUBLICATIONS

During the year the "Bangor daily news" has printed classified lists of our accessions, of which several copies have been clipped and pasted in scrap-books for library use.

Our only special publications have been the "Annual report" for 1912 and "Handbook of the Bangor Public Library, 1st edition" issued in December at the time the new building was occupied.

STAFF

Mrs. Mary H. Curran, the faithful and efficient head of the Library for 25 years past, having asked to be relieved of the executive responsibility, Charles A. Flagg of the Library of Congress was elected Librarian on Feb. 10, 1913, and began his duties May 1, Mrs. Curran becoming Associate librarian at the same time.

Four assistants have been on duty during the entire year. During the summer and fall it became necessary to employ two of our substitutes as temporary assistants, and on moving to our new quarters it has been found expedient to engage two more.

At the present time our roll of substitutes includes five, in addition to the four regularly employed in the Library.

THE OLD QUARTERS IN THE COURT HOUSE

Throughout nearly the entire year the Library has been housed in the rooms at the Court House placed at its disposal by the County Commissioners of Penobscot County—two small rooms in the rear of the basement used as office and as stack and delivery room respectively; supplemented by one, and since May 1913, by two large unfurnished rooms for storage on the top floor.

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The inconvenience of this arrangement, can scarcely be overstated: basement rooms overcrowded; books on the top floor heaped up in piles or at best arranged in rows on the floor, while hundreds were boxed and not available at all, with three long flights of public stairs the only communication between the parts of our collection.

The pleasant feature of the situation has been the courtesy of the County officials and the general consideration for our comfort shown by occupants of the building.

REMOVAL TO NEW BUILDING

The event of the year, from a Library standpoint, has been the completion and occupancy of the new building on Harlow Street.

During the week of December 8th, all our books and other property on the top floor of the Court House and all boxes of books and magazines stored in the basement were transferred to the new home.

Meanwhile the library rooms were open as usual from 9 to 6 and so continued through Dec. 18.

The new building was open for public inspection from 1 to 9 p. m. on Dec. 16, 17 and 18, the librarian and five assistants being on duty there to guide and explain, during those hours. Dec. 19 both buildings were closed to the public while the process of moving was completed.

On Saturday, Dec. 20, 1913, the edifice was opened as a library, from 9 to 9 and has since been regularly open between those hours.

The physical labor of moving between 25,000 and 30,000 volumes and various other material and fittings is no slight one, increased as it was in this case by the fact that a large part of the books must be brought down from the top floor.

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As the collection was only partially in order in the old quarters the work of arrangement was an arduous one, requiring all the assistance we could procure for several days.

CONCLUSION

The opening of the new year finds the Bangor Public Library in its new home with a splendid mechanical equipment furnished by the Library Bureau, and desirous of enlarging its field of usefulness in the community in many directions. Its history since the fire has been necessarily one of obscurity and repression. Some new lines of development and extension are already inaugurated and others are planned. This, however, is not a prospectus for 1914 but a report for 1913.

Respectfully submitted,

CHARLES A. FLAGG, Librarian.

BANGOR, Jan. 16, 1914.

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APPENDIX

APPENDIX A

Books in the Library, by classes, Jan. 1, 1914.

General works	2,430
Philosophy	241
Religion	791
Sociology	3,270
Philology	251
Natural science	853
Useful arts	1,215
Fine arts	851
Literature	1,616
Poetry and Drama	1,688
Fiction	3,627
History	2,633
Description	1,096
Biography	1,730
	22,282

APPENDIX B

The Hamlin collection, bought 1911, recorded 1913.

	Volumes
General works	193
Philosophy	18
Religion	51
Sociology	166
Philology	39
Natural science	31
Useful arts	32
Fine arts	44
Literature	689
Poetry and Drama	299
Fiction	990

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History	694
Description	149
Biography	535
	3,930

APPENDIX C

Additions by source, 1913.

Number of volumes in Library Jan. 1, 1913		13,208
Additions		
By purchase	3,069	
gift	1,827	
binding periodicals and pamphlets	338	
Replaced by loser	1	
Re-entered	12	
Charged before fire and now returned	1	
Exchanged	17	
Hamlin collection recorded	3,930	
Total gain		9,195
Withdrawals		
Worn out	95	
Lost and paid for	9	
Charged, not returned	6	
Duplicates	4	
Replaced	1	
For re-entry in 12 vols	2	
For contagious disease	1	
Burned at residence	2	
Other cause	1	
Total loss		121
Net gain		9,074

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APPENDIX D

Additions by class, 1913.

	Volumes
General works	999
Philosophy	77
Religion	255
Sociology	921
Philology	61
Natural science	234
Useful arts	451
Fine arts	443
Literature	850
Poetry and Drama	443
Fiction	1,388
History	1,710
Description	394
Biography	969
	9,195

APPENDIX E

PAMPHLETS

In the Library Jan. 1, 1913	5,662
Purchased, 1913	12
Presented, 1913	2,200
In the Library Jan. 1, 1914	7,875

APPENDIX F

Circulation by classes, 1913.

General works, including unbound periodicals	8,937
Philosophy	161
Religion	86
Sociology	706
Philology	124
Natural science	528

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Useful arts	667
Fine arts	796
Literature	1,174
Poetry	299
Fiction	41,591
History	804
Description	1,068
Biography	977
	57,918

APPENDIX G

Circulation by months, 1913.

January	5,778
February	5,461
March	6,450
April	5,529
May	4,803
June	4,262
July	4,289
August	3,929
September	3,939
October	4,372
November	4,404
December	4,202
	57,918

APPENDIX H

Overdue Books.

Notices sent in 1913	2,604
Second notices	118
Fines collected	$ 210.06
Books lost and paid for	9
Books lost and not paid for	6

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APPENDIX I

Binding and Repair.

	Volumes
Books and magazines sent to bindery	1,084
Repaired at Library	764

APPENDIX J

Gifts to the Library During 1913

Givers	Books	Periodicals and Pamphlets
Academy of Natural Sciences, *Philadelphia*	1	1
Adams, Edward A		1
Adams, I. W	1	
Adriance Memorial Library, *Poughkeepsie, N. Y*		1
Alexander, S. H., *Wellesley, Mass*	1	
American Association for International Conciliation, *New York City*	1	16
American Association for Labor Legislation, *New York City*	4	
American Congregational Association, *Boston*		1
American Federation for Sex Hygiene, *New York City*		1
American Irish Historical Society, *New York City*	1	
American Iron and Steel Institute, *New York City*	1	
American Library Association, *Chicago, Ill*		3
American Peace Society, *Washington, D. C*		2
American School Peace League, *Boston*	3	
American Telephone and Telegraph Co		2
American Unitarian Association, *Boston, Mass*		1
Associated Charities of Boston, *Boston, Mass*		1
Association of Life Insurance Presidents, *New York City*	1	2
Atlantic Deeper Waterways Association	1	9
Austin, *Mrs.* Lillian D., *New York City*	1	
Bachelder, *Mrs.* Charlotte C., *Bangor*	21	
Bangor, City of	2	

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Givers	Books	Periodicals and Pamphlets
Bangor Chamber of Commerce	11	
Bath, Ter-Centennary Committee, *Bath, Me*	1	
Benedict, *Prof.* Francis G., *Boston, Mass*	26	
Bigot, *Mme.* Charles, *East Chicago, Ill*	1	
Blanding, Edward M., *Bangor*	1	
Blood, *Mrs.* Horatio W., *Bangor*	2	
Bolton, *Miss* Grace H., *Bangor*	3	
Boston Museum of Fine Arts, *Boston, Mass*		5
Boston Port and Seamen's Aid Society, *Boston, Mass.*		1
Boston Public Library, *Boston, Mass*		1
Boston University, *Boston, Mass*		1
Bourne, *Hon.* Jonathan, *Jr., Washington, D. C*	1	1
Boutelle, Edward A., *Bangor*	1	
Bowditch, *Dr.* Vincent Y., *Boston, Mass*	2	
Bowdoin College, *Brunswick, Me*	1	1
Brooklyn Institute of Arts and Sciences, *Brooklyn, N. Y*		6
Brooklyn Public Library, *Brooklyn, N. Y*		5
Brown, William E., *Bangor*	1	
Brown University, *Providence, R. I*	1	10
Bureau of Municipal Research, *New York City*	4	
Bureau of Railway Economics, *Washington, D. C*		2
Burleigh, *Hon.* E. C., *Washington, D. C*	2	
Burlington Free Public Library, *Burlington, Iowa*		1
Buzzell, *Mrs.* James C., *Bangor*	22	
Carnegie Endowment International Peace, *Washington, D. C*	1	
Carnegie Free Library, *Braddock, Pa*		1
Carnegie Free Library, *Cork, Ireland*		1
Carnegie Hero Fund Commission, *Pittsburg, Pa*	1	
Carnegie Institute Technology, *Pittsburg, Pa*	1	1
Case School of Applied Science, *Cleveland, Ohio*	1	
Chaffin, *Rev.* William L., *North Easton, Mass*	2	
Chandler, James A., *Bangor*	45	

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Givers	Books	Periodicals and Pamphlets
Chapman, Horace, *Bangor*	10	
Chase, Wilfred Earl, *Madison, Wis*	1	
Chelsea Public Library, *Chelsea, Mass*		1
Civil Service Reform Association, *New York City*		1
Clark, Carl E., *Bangor*	4	
Coe, *Dr.* Thomas Upham, *Bangor*	17	
Columbia University, *New York City*	1	1
Connecticut State Library, *Hartford, Conn*	1	
Crosby, James H., *Bangor*	49	1
Curran, *Mrs.* Mary H., *Bangor*	1	
Currier, James, *Estate of, Bangor*	4	
Deborah Cook Sayles Public Library, *Pawtucket, R. I.*		1
Dennett, *Dr.* Wm. S., *New York City*	190	
Doane, *Mrs.* W. W., *Bangor*	3	
Doane College, *Crete, Nebraska*		1
Dorne, *Mrs.* Nellie Waterhouse, *San Francisco, Cal.*	1	
Doubleday, Page & Co., *New York City*	1	
Dow, *Mrs.* Elizabeth C., *Bangor*	19	
Duren, Elnathan F., *Bangor*		1
Eames, George C., *Bangor*	16	
Eastern Maine General Hospital, *Bangor*		2
Enoch Pratt Free Library, *Baltimore, Md*		1
Ensworth, *Mrs.* A. C., *New York City*	1	
Evening Post, *New York City*	1	
Fairbanks, Henry N., *Bangor*	1	
Fairmount Park Art Association, *Philadelphia, Pa*		1
Federal Council of the Churches of Christ in America, *New York City*		17
Fitchburg Public Library, *Fitchburg, Mass*		1
Flagg, Charles A., *Bangor*	25	
Flanagan, A. Company, *Chicago, Ill*	2	
Fletcher, Duncan		1
Fletcher Free Library, *Burlington, Vt*		2
Forbes Library, *Northampton, Mass*		1

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Givers	Books	Periodicals and Pamphlets
Fort Wayne, *Ind. Dept. Public Works*	1	
Foster, C. E., *Passenger Agent, Boston, Mass*	1	
Foulke, William Dudley, *Richmond, Ind*	2	
Fowler, H. Alfred		1
Friend, A	3	
General Railway Signal Co., *Rochester, N. Y*	1	
Grand Rapids Public Library, *Grand Rapids, Mich.*		1
Greene, Follett C., *Rochester, N. Y*	1	
Griffin, *Rev.* Henry L., *Bangor*	1	
Guernsey, *Hon.* Frank E., *Washington, D. C*	7	1
Hamlin Estate, *Bangor*		1
Harrigan, Martin, *Bangor*	1	
Hartford Public Library, *Hartford, Conn*		4
Harvard Law Review Association		1
Harvard University, *Cambridge, Mass*	2	
Haskins, Miss Emeline P., *Atlanta, Georgia*	1	
Hatch, *Dr.* Louis C., *Bangor*	6	
Helena Public Library, *Helena, Mont*		2
Hill, *Mrs.* Theoda J., *Wellesley Hills, Mass*	2	
Hough, Romeyn B., *Lowville, N. Y*	3	
Howe, *Mrs.* C. C., *Bangor*	1	
Hudson Co. Park Commission, *Jersey City, N. J*	1	
I. H. C. Service Bureau, *Chicago, Ill*		1
Iles, George, *New York City*		1
Independent Industrial School, *Beverly, Mass*		1
Indian Rights Association, *Philadelphia, Pa*		2
International Irrigation Congress, *Salt Lake City, Utah*		2
Jameson, Charles D., *China*		1
Jersey City Free Public Library, *Jersey City, N. J*		8
Johnson, *Hon.* Charles F., *Washington, D. C*	1	
Jordan, Fred A., *Bangor*	1	
Kavanagh, *Mrs.* Lillian, *Bangor*	3	
Koopman, Henry Lyman, *Providence, R. I*	1	
Lake Mohonk Conference of Friends of the Indian, *Mohonk Lake, N. Y*		35

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Givers	Books	Periodicals and Pamphlets
Library of Congress, *Washington, D. C*	3	1
Lodge, *Hon.* Henry Cabot, *Washington, D. C*		1
Los Angeles Public Library, *Los Angeles, Cal*		1
Lynn Public Library, *Lynn, Mass*		1
McGill, J. Nota		1
McMorran, Henry		1
Maine Agricultural Experiment Station, *Orono, Me*	1	12
Maine Central Railroad Co., *Portland, Me*		1
Maine Highway Commission, *Augusta, Me*	1	
Maine Historical Society, *Portland, Me*	1	
Maine State Library, *Augusta, Me*	41	8
Malden Public Library, *Malden, Mass*		1
Marsh, H. M., *Commissioner Industries, Hamilton, Canada*	1	
Massachusetts Charitable Mechanic Association, *Boston, Mass*		1
Massachusetts General Hospital, *Boston, Mass*	1	1
Massachusetts Historical Society, *Boston, Mass*		1
Massachusetts Institute of Technology, *Boston, Mass*	1	
Massachusetts State Board of Health, *Boston, Mass*	50	
Massachusetts State Board of Prison Commissioners, *Boston, Mass*	4	
Melbourne, Australia, *Mines Dept*		7
Merchants' Association, *New York City*	1	
Military Order of the Loyal Legion		1
Mills, Hiram F., *Lowell, Mass*	1	
Minneapolis, Minn. *Board of Park Commissioners*	2	1
Mount Holyoke College, *S. Hadley, Mass*	1	
Mudgett, *Mrs.* Mary, *Bangor*	4	
Municipal Reference Library, *New York City*		1
National Academy of Sciences, *Washington, D. C*	1	
National Cash Register Co	1	
National Child Labor Committee, *New York City*		8

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Givers	Books	Periodicals and Pamphlets
National Civil Service Reform League, *New York City*	1	
National Short Ballot Association, *New York City*		3
Nelson, *Hon.* Knute, *Washington, D. C.*		1
New Haven Free Public Library, *New Haven, Conn.*		4
New Orleans Public Library, *New Orleans, La.*		2
New York Farmers, *New York City*		1
New York Public Library, *New York City*		10
New York School of Philanthropy, *New York City*		1
New York State College of Agriculture		2
New York State Education Dept., *Albany, N. Y.*	2	
New York State Library, *Albany, N. Y.*	4	3
Newark Board of Trade, *Newark, N. J.*	1	
Newark Free Public Library, *Newark, N. J.*		1
Oak, John M., *Bangor*	1	
Old Colony Trust Co., *Boston, Mass.*	2	
Oregon State Immigration Office		1
Oriental Esoteric Library, *Washington, D. C.*		4
Osterhout Free Library, *Wilkes-Barre, Pa.*		9
Ottawa Public Library, *Ottawa, Canada*		1
Patch, Willis Y., *Bangor*	1	
Paterson Free Library, *Paterson, N. J*		1
Patten, *Miss* Katherine, *Minneapolis, Minn*	80	
Peabody Institute, *Peabody, Mass.*		1
Peirce, *Miss* Ada, *Bangor*	1	
Pennsylvania Free Library Commission, *Philadelphia, Pa.*		2
Pennsylvania Museum, *Philadelphia, Pa.*		1
Pennsylvania Prison Society, *Philadelphia, Pa.*		1
Penobscot Co., *Maine*		1
Peoria Public Library, *Peoria, Ill.*		1
Perkins, *Hon.* George C., *Washington, D. C.*	6	
Phelps, Edward B., *New York City*	1	
Philadelphia Free Public Library, *Philadelphia, Pa.*		1
Philbrook, *Mrs.* Abby C., *Bangor*	32	

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Givers	Books	Periodicals and Pamphlets
Philippine Islands. *Bureau of Education, Manila, P. I*		1
Phillips Exeter Academy, *Exeter, N. H*		3
Pickering, *Miss* Jane B., *Bangor*	7	
Plaisted, *Judge* Ralph P., *Bangor*	2	
Portland Library Association, *Portland, Ore*		4
Portland Public Library, *Portland, Me*		1
Porto Rico, *Secretary*	1	
Postal Life Insurance Company, *Atlantic City, N. J*		1
Pratt Institute Free Library, *Brooklyn, N. Y*		6
Princeton University, *Princeton, N. J*	1	
Pullen, *Mrs.* Horace M., *Bangor*	2	
Putnam's, G. P. Sons, *New York City*	1	
Quinn, *Miss* Marie, *Bangor*	7	
Raymond, George Lansing, *Los Angeles, Cal*	1	
Riggs, Edward G., *New York City*	2	
Roberts, *Miss* Charlotte, *Bangor*	5	
Roberts, *Mrs.* June P., *Bangor*, In memory of	5	
Roberts, S. Raymond, *Glen Ridge, N. J*	1	
Rosenberg Library, *Galveston, Texas*		5
Russell Sage Foundation, *New York City*		1
Sagamore Sociology Conference		1
St. Louis Mercantile Library Association, *St. Louis, Mo*		1
St. Louis Public Library, *St. Louis, Mo*		12
Salem Public Library, *Salem, Mass*		1
Sampson, Murdock Co., *Boston, Mass*	12	
San Diego Chamber of Commerce, *San Diego, Cal*		1
Sanford, J. E. M., *Brookline, Mass*	1	
Sawyer, Andrew, *Bangor*	2	
Scranton Public Library, *Scranton, Pa*		1
Shakespeare Club, *Bangor*	36	
Smart, Vestal, *Bangor*	2	
Smith, George R., *Estate of, Bangor*	77	

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Givers	Books	Periodicals and Pamphlets
Smithsonian Institution, *Washington, D. C*	2	44
Society of Mayflower Descendants, *Maine*	1	
Springfield City Library Association, *Springfield, Mass*		1
Stephens, H. D., *Washington, D. C*		1
Stetson, Arthur F., *Bangor*	13	
Sumter Chamber of Commerce, *Sumter, S. C*		1
Swan, *Miss* Florence I., *Bangor*	1	
Swett, *Dr.* Atwell W., *Estate of, Bangor*	225	
Talcott, *Miss* Elizabeth, *Bangor*	109	
Tennessee State Board of Entomology, *Nashville, Tenn*		3
Thissell, *Mrs.* James A., *Bangor*	1	
Thompson, Samuel D., *East Orange, N. J*	114	
Thompson, Slason, *Chicago, Ill*	2	
Thurber, Samuel, *Jr., Newtonville, Mass*	1	
Tracht, Stephen	1	
Traffic Club of New England		1
United Commercial Travellers, *Bangor*		1
United States. *Dept. of Agriculture*		74
United States. *Dept. of Commerce and Labor*	1	5
United States. *Supt. of Documents*	270	1739
United States. *Interstate Commerce Commission*	59	
United States. *Navy Dept*	1	
United States. *War Dept*		3
United States. *Weather Bureau*	1	
United States Brewers' Association, *New York City*	1	
University of Illinois, *Urbana, Ill*	1	
University of the State of New York, *Albany, N. Y.*		1
University of Vermont, *Burlington, Vt*	1	
University of Washington, *Seattle, Wash*	1	
Unknown	2	27
Van Hise, Charles R., *Madison, Wis*	1	
Walker, J. Putnam, *Bangor*	62	1370
Waltham Public Library, *Waltham, Mass*		1

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Givers	Books	Periodicals and Pamphlets
Warren, *Dr.* Percy, *Bangor*	3	
Warren, *Mrs.* Percy, *Bangor*	5	
Wayland, *Miss* Annie E., *Bangor*	1	
Webster, *Miss* Mary L., *Bangor*	5	
Westminster Public Libraries, *London*		1
Wilkes-Barre, Chamber of Commerce, *Wilkes-Barre, Pa*		2
Williamson, Joseph, *Children of*	1	
Wilmington Institute Free Public Library, *Wilmington, Del*		3
Wood, *Mrs.* Chas. H., *Bangor*	6	
World Peace Foundation		10
Yale University, *New Haven, Conn*		1

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APPENDIX K

SERIALS TAKEN AT THE LIBRARY

This list does not include annuals nor works appearing in parts. In the case of a few of the popular magazines several copies are subscribed for and the extra copies circulated. These are indicated by a * in the margin, the number of copies subscribed for following the title.

A. L. A. book list. *Monthly.*
American Iron and Steel Institute. Monthly Bulletin. *Monthly.* (*presented*).
American journal of science. *Monthly.*
American labor legislation review. *Quarterly.*
American Library Association *see* A. L. A.
American monthly magazine. (*presented*).
*American review of reviews. (3 copies). *Monthly.*
*Atlantic monthly (4 copies). *Monthly.*
Atlantic Deeper Waterways Association. Bulletin. *Monthly.* (*presented*).
Blackwood's Edinburgh magazine. *Monthly.*
Book review digest. *Monthly.*
Boston evening transcript. 3 *times a week.*
Brooklyn Public Library. Bulletin. *Quarterly.* (*presented*).
Brown alumni monthly. (*presented*).
Bulletin of bibliography and Dramatic index. *Quarterly.*
Bulletin of the Pan American Union *see* Pan American Union.
Bureau of Railway Economics. Summary of revenues and expenses. *Monthly.* (*presented*).
*Century. (8 copies). *Monthly.*
Christian Science journal. *Monthly.* (*presented*).
Christian Science sentinel. *Weekly.* (*presented*).
Contemporary review. *Monthly.*
Craftsman. *Monthly.*
Dramatic index. *see* Bulletin of bibliography.

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Dramatist. *Quarterly.*
Edinburgh review. *Quarterly.*
Essex Institute historical collections. *Quarterly.*
Experiment station record. *see* U. S. *Dept. of agriculture. Office of experiment stations.*
Filipino people. *Monthly.* (*presented*).
Fortnightly review. *Monthly.*
*Forum. (2 copies). *Monthly.*
Good government. *Monthly.* (*presented*).
Good housekeeping. *Monthly.*
Gospel trumpet. *Weekly.* (*presented*).
*Harper's magazine. (8 copies).
Harper's weekly. (*presented*).
Hartford Library bulletin. *Quarterly.* (*presented*).
Hawaii Agricultural Experiment Station. Bulletin. *Irregular.* (*presented*).
*Home Needlework. (2 copies). *Monthly.*
Index to dates. *Monthly.*
Industrial arts index. *Bi-Monthly.*
International conciliation. *Monthly* (*presented*).
International studio. *Monthly.*
Journal of agricultural research. *see* U. S. *Dept. of Agriculture.*
Journal of American history. *Quarterly.*
Ladies' review. *Monthly.* (*presented*).
Library journal. *Monthly.*
Library of Congress. *see* U. S. *Library of Congress.*
*Lippincott's (5 copies). *Monthly.*
*Littell's living age. (2 copies). *Weekly.*
*McClure's magazine. (2 copies). *Monthly.*
Maine Agricultural Experiment Station. Bulletin. *Irregular.* (*presented*).
Maine Catholic historical magazine. *Monthly.*
Maine State Library bulletin. *Quarterly.* (*presented*).
Nation. *Weekly.*
National municipal review. *Quarterly.*
New England historical and genealogical register. *Quarterly.*
*New England magazine. (3 copies). *Monthly.*
New York Public Library. Bulletin. *Monthly.* (*presented*).

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Nineteenth century and after. *Monthly.*
*North American review. (3 copies). *Monthly.*
Notes and queries. *Weekly.*
Osterhout Free Library. Bulletin. *Monthly.* (*presented*).
Our dumb animals. *Monthly.* (*presented*).
*Outing. (2 copies). *Monthly.*
*Outlook. (2 copies). *Weekly.*
Pan American Union. Bulletin. *Monthly.* (*presented*).
Patent Office gazette. *see* U. S. *Patent Office.*
Phillips Exeter Academy Bulletin. *Quarterly.* (*presented*).
*Photo miniature. (2 copies). *Monthly.*
Playground. *Monthly.* (*presented*).
*Popular science monthly. (2 copies.)
Porto Rico Agricultural Experiment Station. Bulletin. *Irregular.* (*presented*).
Pratt Institute Free Library. Quarterly book list. (*presented*).
Protectionist. *Monthly.* (*presented*).
Public libraries. *Monthly.*
Publisher's weekly.
Quarterly review. *Quarterly.*
Reader's guide to periodical literature. *Monthly.*
Reader's guide to periodical literature supplement. *Bi-Monthly.*
Review of religions. *Monthly.* (*presented*).
Review of reviews. *see* American review of reviews.
St. Louis Public Library. Monthly bulletin. (*presented*).
*St. Nicholas. (4 copies). *Monthly.*
School. *Weekly.* (*presented*).
Scientific American. *Weekly.*
Scientific American supplement. *Weekly.*
*Scribner's magazine. (7 copies). *Monthly.*
Smithsonian miscellaneous collections. *Irregular.* (*presented*).
Special libraries. *Monthly.*
Sprague's journal of Maine history. *Quarterly.*
Theosophical path. *Monthly.* (*presented.*)
Theosophical quarterly. (*presented*).
U. S. *Bureau of education.* Bulletin. *Irregular.* (*presented*).
U. S. *Dept. of agriculture.* Bulletin. *Irregular.* (*presented*).
Farmers' bulletin. (2 copies). *Irregular.* (*presented*).

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U. S. *Dept. of agriculture.* Journal of agricultural research. *Monthly.* (*presented*).
Monthly list of publications. (*presented*).
Weekly news letter to crop correspondents. (*presented*).
Office of experiment stations. Experiment station record. *Monthly.* (*presented*)
Weather bureau. Climatological service. District No. 12. Columbia Valley. *Monthly.* (*presented*).

U. S. *Dept. of commerce.* *13th census.* Bulletin. *Irregular.* (*presented*).
Bureau of foreign and domestic commerce. Daily consular and trade reports. (*presented*).
Bureau of immigration and naturalization. Immigration bulletin. *Monthly.* (*presented*).
Bureau of standards. Circular. *Irregular.* (*presented*).

U. S. *Library of Congress.* *Card section.* Bulletin. *Irregular.* (*presented*).
Copyright office. Catalogue of copyright entries. *Daily.* (*presented*).

U. S. *Navy dept.* United States naval medical bulletin. *Quarterly.* (*presented.*)

U. S. *Patent office.* Official gazette. *Weekly.* (*presented*).

U. S. *Public health service.* Public health report. *Weekly.* (*presented*).

U. S. *Superintendent of documents.* Monthly catalogue United States public documents. (*presented*).

Western motor car. *Monthly.* (*presented*).

Westminster review. *Monthly.*

World Peace Foundation. Pamphlet series. *Monthly.*

*World's work. (2 copies.) *Monthly.*

Das Wort. *Monthly.* (*presented*).

*Youth's companion. (2 copies). *Weekly.*

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BY-LAWS OF THE BOARD OF MANAGERS OF THE BANGOR PUBLIC LIBRARY

ARTICLE I.

OFFICERS

The officers of the Board shall be a President, Vice President, Secretary and Treasurer.

The Mayor of the City shall be, ex-officio, President of the Board, as provided in the contract between the Trustees of the Hersey Fund and the Mechanic Association.

The President of the Mechanic Association shall be, ex-officio, Vice President of the Board.

The Secretary and Treasurer shall be chosen by the Board, by ballot, at the annual meeting, and shall serve for one year and until others are chosen and qualified in their stead.

ARTICLE II.

PRESIDENT

The President shall preside at all meetings of the Board at which he is present.

ARTICLE III.

VICE-PRESIDENT

The Vice President shall preside in the absence of the President, and if both are absent, a President pro tempore shall be chosen.

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ARTICLE IV.

VOTE OF PRESIDING OFFICER

The Presiding Officer shall not be entitled to vote at any meeting, unless a tie occurs, in which case he shall throw the casting vote.

ARTICLE V.

SECRETARY

The Secretary shall keep a faithful record of the doings of the Board and shall have the custody of all documents, except those relating to financial matters, and shall give due notice of all meetings of the Board and perform all other duties properly appertaining to his office.

ARTICLE VI.

TREASURER

The Treasurer shall have the custody of all funds of the Board, and all documents relating thereto. He shall pay all bills approved by the Finance Committee under authorization of the Board. He shall keep an accurate account of receipts and expenditures and make a report to the Board at the annual meeting. He shall give a bond, if required.

ARTICLE VII.

COMMITTEES

The Board shall choose from its own number, by ballot, at the annual meeting, a Library Committee, a Purchasing Committee, a Finance Committee, and an Auditing Committee.

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The Library Committee shall consist of three members, and each of the other committees of one member.

All the Committees shall serve for one year and until others are elected in their stead. They shall act under the direction of the Board and shall report to the Board from time to time, and all measures proposed by them shall be submitted to the Board for approval.

ARTICLE VIII.

LIBRARY COMMITTEE

The Library Committee shall have supervision of all business relating to the Library and Reading Room and the keeping, cataloguing and delivery of books, and the work of the Librarian.

ARTICLE IX.

PURCHASING COMMITTEE

The Purchasing Committee shall expend such sums as the Board may from time to time appropriate, in the purchase of such books and periodicals as may be needed for the Library and Reading Room. The Committee shall also make a report to the Board at the annual meeting.

ARTICLE X.

FINANCE COMMITTEE

The Finance Committee shall examine all bills and report a list of the same at each quarterly meeting, and, after the acceptance of the report by the Board, the bills shall be approved by the Finance Committee and paid by the Treasurer.

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ARTICLE XI.

AUDITING COMMITTEE

The Auditing Committee shall examine annually the Treasurer's account and certify its correctness.

ARTICLE XII.

LIBRARIAN

At the annual meeting or as soon after as may be convenient, the Board shall elect, by ballot, for a term not to exceed one year, a Librarian and a sufficient number of assistants. The salaries of the Librarian and assistants shall be fixed at the time of their election. Their duties shall be such as the Board may, from time to time, determine.

ARTICLE XIII.

USE OF LIBRARY

All citizens of Bangor shall be entitled to the use of the Library and Reading Room on equal terms, under such rules as the Board may, from time to time, ordain.

ARTICLE XIV.

MEETINGS

The annual meeting of the Board shall be held on the third Tuesday in January, and regular quarterly meetings shall be held on the third Tuesday of April, July and October of each year. Special meetings shall be called by the Secretary, at any time, by direction of the President, or by request of two members of the Board.

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ARTICLE XV.

QUORUM

Five members of the Board shall constitute a quorum for the transaction of business.

ARTICLE XVI.

AMENDMENTS

These by-laws may be amended by vote of a majority of those present at any meeting of the Board, written notice of the proposed amendment having been submitted to the Board at the previous meeting.

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RULES OF THE LIBRARY

ARTICLE I.

OPENING AND CLOSING

Unless otherwise ordered by the Board of Managers, the Library and Reading Room shall be open every day, except Sundays, and legal holidays observed by the banks, from 9 a. m. to 9 p. m. The Children's Room shall close at 6 p. m.

ARTICLE II.

READING ROOMS

The use of books and periodicals in the Reading Rooms is free to all persons of proper behavior. Certain books are available without any formality: the entire reference collection shelved in the Reference Room; unbound magazines in the periodical cases; 2d or reserved copies of the newest accessions, and such special collections as are displayed on tables or in cases in the Reading Room.

When a book from the main collection in the stack is wanted, its title and call number, together with the name and residence of the borrower must be written on a special slip furnished for that purpose, and left with an attendant. If table is designated on this slip, books will be delivered there. These slips are arranged in a drawer and when any book is returned, the corresponding slip shall be taken out and cancelled. Every book issued should be returned by the borrower before leaving the room, as his or her responsibility ceases only with cancellation of charging slip. A reader may have any number of

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books needed, subject to the provision that no one may retain a book not in actual use when another reader calls for it.

There are study rooms on the lower floor for the use of students and investigators who may require a considerable number of works day after day.

The Children's room is reserved for the use of children, with special attendants in charge. It closes at 6 p. m. The books on the shelves of this room may be examined and taken down for use in the room or drawn out for home use under the Library rules. Children may also draw books from the main collection. Those of High School age, desirous of consulting reference books or pursuing serious research may be admitted to the main library.

Records shall be kept of all books brought from the stack for use in any reading room.

ARTICLE III.

REGISTRATION

Any resident of Bangor is entitled to have from the Library one Library card. This privilege shall be extended to any person whose business address is Bangor, and to any student in the Bangor schools.

Applicants for library cards must make application personally at the Library or authorize some person, in writing, to apply as their representative.

Residents of neighboring towns may be allowed home use of books, on approval of the Library Committee, on applying in writing and making payment of three dollars for each Library card issued before the first day of July in any year, and one dollar and fifty cents for each card issued on or after the first day of July; payment to be made when cards are delivered.

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The Librarian shall have authority to require of any applicant a satisfactory reference, or a deposit of money, when necessary for the protection of the Library.

Cards are not to be issued until at least twenty-four hours after application is made.

Each card shall entitle the holder to home use of one volume at a time, under the rules of the Library, until the first day of January next ensuing after the date of the card.

Library cards are not transferable, and a Library card entitles the registered holder and members of the family of the registered holder, in the same household, to home use of books.

Immediate notice of any change of residence should be given at the Library. The registered holder of a card is, in all cases, responsible for books taken with it.

Books may be issued on any card to any applicant having written authority from the registered holder of the card; but books so issued are only for the home use of the registered holder of the card.

All cards shall be numbered in the order of their issue, and the numbers shall be entered in order, in the Record of Library Cards, and the name and address of the holder and date of issue shall be noted opposite each number.

Cardholders may have special cards for purposes of study without special registration. No book of fiction shall ever be issued on a special card. These cards shall be numbered in order of their issue and the list of special cards shall be transferred to the Record of Library Cards at the end of each year.

ARTICLE IV.

HOME USE OF BOOKS

The date of issue and return of each volume taken with a Library card, shall be stamped thereon, and a corresponding

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slip, containing the call number of the volume and day and month of its issue and the name and address of its borrower shall be preserved.

The slips for each day shall be placed in the numerical order of the call numbers in a dated compartment of the drawer used for their preservation. When a book is returned the corresponding slip shall be taken from the drawer and cancelled.

Books taken from the Library must be returned or renewed within fourteen days. Periodicals must be returned or renewed within three days. Books and periodicals must be returned to the Library after one renewal. No book or periodical returned to the Library shall be re-issued until it has been returned to the shelves. Persons returning books should always deliver them to one of the attendants.

Any person who retains a volume longer than the regulations permit shall be fined two cents for each day of detention. When a book becomes overdue, not being returned within fourteen days from and after the day on which it was taken, (or three days in case of an unbound magazine) a notice shall be sent to the holder, by mail, on the day the book becomes overdue, requesting its return. If it is not returned within seven days from and after the date of the first notice, a second notice shall be sent, and if the book is not returned within seven days from the date of the second notice, a messenger may be sent for it, the cost of sending being charged to the holder of the book. If, however, a book becomes due on Sunday, it may be returned without fine, on the next day following.

No person shall be allowed to take a book from the Library who appears by the records to be accountable for a book taken, or for a fine imposed.

Books shall not be issued to members of households in which contagious disease is known to exist.

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All persons having books from the Library, will be held responsible for their injury or loss, and when injury or loss to any book occurs, the registered holder of the card, with which book was taken, shall replace the book or pay the amount determined by the Librarian.

If any holder of a Library Card neglects or violates the rules of the Library, the Librarian shall have authority to cancel the card for the remainder of the year for which it is issued, and when a card is cancelled for this reason, the holder of the card shall not be entitled to further use of the Library until authorized by the Library Committee.

When all the spaces on a Library Card are stamped, a new card shall be issued, on the surrender of the old one, provided the time for which the card was issued has not expired.

When a card is lost, the Librarian may issue a new one seven days after notice of the loss has been given at the Library, but the loss of a card will not remove the owner's responsibility for its subsequent use. If a lost card is recovered after a new one has been issued in its stead, the duplicate must be immediately returned to the Library.

A record shall be kept of the number of books issued daily from each class for home use.

ARTICLE V.

CATALOGUES AND OTHER RECORDS

Works added to the Library, whether by purchase or gift, shall be entered, when received, in the Accession Book.

There shall also be a Serial record kept for all magazines or other serials, until the completed volumes are bound and entered on the Accession Book.

The Gift record on cards shall show what each individual or corporate body has given to the Library.

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The Removal record lists the works lost, worn out or for any other reason removed; the exact number of pieces belonging to the Library at any moment being found by subtracting the last number in the Removal book from the last number in the Accession book.

The Shelf List is a record on cards of all books, in the order in which they belong on the shelves.

The main public catalogues* are on cards in the dictionary form—i. e., authors, subjects and titles in one alphabet, with separate alphabet for fiction.

Lists of new books shall be posted from time to time on the public bulletin boards.

ARTICLE VI.

THE BOOKS

The main collection is classified by the Dewey "Decimal classification" with some modifications, and is shelved in the stack building.

The following classes of books are permanently removed from places:—

The children's collection in the Children's room.

"Restricted" books; works of rarity or value or for other reason removed from circulation and shelved in the vault.

Reference collection, shelved in the Reference room.

Cataloguers' collection, shelved in the Cataloguing Room.

Other works are temporarily out of place:—

Books loaned.

Books in use by readers in the building.

*At present there are unfortunately two card catalogues, each supplementing the other. Additions are made to the newer one only, and in time the old catalogue will be incorporated in it also.

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Material at bindery.
New books in "New book cases."
Books on special reference lists in Reading Room.

Patrons of the Library are requested to recommend for purchase books which would seem to be desirable additions to the collection. If it is decided to make such purchase, notice is sent to the person making the recommendation.

ARTICLE VII.

ORDER IN THE BUILDING. PENALTIES

Conversation, avoidable noise and disorderly conduct are prohibited. Dogs or other pets are not allowed in the building.

Attendants are required to check irregularity of any kind and report if necessary to the Librarian.

Those unwilling to abide by the Library rules will be debarred from use of the building.

Injury to Library property is covered by Section 21, chapter 128 of the Revised Statutes of the state of Maine: "Whoever wantonly mars, defaces or injures a book, picture, statue or painting, belonging to any public library, or library of any association open to the public, or to any literary or educational institution, or any statue erected in any public park or square, or upon any ground open to the public, shall be punished by imprisonment for not more than three months, or by a fine not exceeding fifty dollars."

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Report of the City Electrician

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Report of the City Electrician

BANGOR, MAINE, March 2, 1914.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL:

GENTLEMEN:

I respectfully submit the report of the City Electrician for the year ending Feb. 28th, 1914.

This year has been the most busy one that I can recall in the past ten years. Not only did we have an immense amount of line work to do in the way of repairs, but there has been a large amount of new construction overhead and also underground. This has involved an immense amount of money, which looks exceedingly bad in the monthly reports and tend to give a City Electrician the name of being extravagant.

However a careful summing up of the following report, will I think, remove this idea in the minds of all persons that have followed the doings of this Dept. for the past twelve months.

This report will, I expect, vary a little from the City Treasurer's as he has not at this date received all the credits due this department, and it is also impossible for him to give me any credit for work that has been ordered done by the City Government, and that did not have an appropriation to go with it.

I have endeavored to fulfill every wish of the Council, in all matters that I knew were a permanent benefit to the citizens of Bangor, especially those in the outer ends of the wards, that can receive nothing for their tax money, but light. I sincerely believe that all avenues leading to the city should be lighted to the boundry lines. There is no better advertisement than light. Well lighted streets, bring people into town in the evening that would never come were the streets dark.

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The following figures will show what each division of this department has cost the past year:

Line maintenance	$6,425 55	
Salaries	14,348 71	
Fire alarm	362 44	
Police	993 98	
Team equipment	574 59	
Inside wiring	1,901 01	
Inspection	20 12	
Insurance	263 78	
Meals	35 50	
Office supplies	49 45	
Power station	2,394 07	
Trucking	102 80	
Telephones	177 35	
Telegraph	13 67	
Coal and wood	1,298 24	
Express	63 86	
Freight	327 01	
Incandescent lamps	1,509 68	
Instruments	574 89	
Street lights	4,548 24	
Sub-station	1,342 10	
Underground	3,256 40	
		$40,583 44

In the above classification the charges have been made from the bills for material and labor that have actually been used in their respective places, and anyone can verify them by looking at my books which are open to anyone that will call at my office.

As to credits from bills that I have rendered other departments I should receive the following:

CREDITS THAT I SHOULD HAVE ALLOWED

Pond St. school	$ 21 03
Bower St. school	14 75
Pine St. school	2 95
Palm St. school	65 12

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Valentine school	77	
Material delivered to Cluff for schools	13 14	
Union Square school	1 15	
High school	2,474 39	
Larkin St. school	1 58	
Pearl St. school	32	
City Hall	117 72	
Police Dept	405 60	
City Farm	68 26	
Armory	3 07	
Central fire station	170 60	
Hose 5	51 28	
Hose 6	26 65	
Hose 2	9 54	
Hose 4	11 99	
Hose 3	36 05	
City stable	9 17	
Water Works	78 44	
Geo. H. Wilbur	23 36	
Dept. of Supplies	1 00	
City of Brewer	97 50	
Public Library	930 74	
Street department, rock crusher	1,704 01	
Chamber of Commerce, for Main St. lights	1,152 37	
Credits through the department of supplies	1,000 89	
Amounting to		$8,493 44
The Central Street job (no appropriation) cost		863 56
The Main Street job (no appropriation) cost		3,745 86
Stock on hand, all paid for	$7,966 66	
Less amount of 1912 stock	4,883 51	
		3,083 15
Total amount of credits that should be allowed		$16,186 01
Amount of appropriation	$22,000 00	
Amount of credits	16,186 01	
		$38,186 01
Amount expended	$40,583 44	
Appropriation and credits	38,186 01	
Overdraw		$2,397 43

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Against this overdraw I have the following unlooked for expenses:

New clutch on engine at works	$ 762 00	
Connection from B. R. E. Co., sub-station to ours	544 37	
Main street drill and points	94 00	
Extra tools used on Main St	31 15	
Chain hoist at sub-station	56 00	
Rewiring Water Works from arc lights to tungsten	419 03	
Water piping at sub-station to cool Main St. lighting tub	46 98	
Measuing instruments at sub-station	574 89	
Necessary purchases that were unexpected		$2,528 42
Amount of overdraw		2,397 43
Balance on hand		$ 130 99

The above I am simply putting in to show that I am not wasting the city money, and by good rights, should have a balance instead of an overdraw. In addition to the above my line maintenance has been double what I expected, as I had to change over a large number of lights and rewire the circuits so that I could take care of the extra load that we are carrying. This load is double what we had a year ago.

I also paid $65.00 for a jigger, $29.43 for a pung, $50.00 for a remote control on the water wheel governor and a dozen other small things that were necessary but not thought of at the beginning of the year.

It was not my intention to make this report so long that a man would get tired of reading it, but as there are several things that the public should know about, I feel it my duty to print them in the report.

POWER STATION AT THE WATER WORKS

Without going into the small details that occur in Electrical Stations, I will say that we have reached the capacity of fuses

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at 2300 volts on our generators and it has been necessary to install two three phase oil circuit breakers that operate when there is an overload or short circuit on the transmission line. These accomplish the same result as a fuse would, that is, they disconnect the machines from the line until the trouble is repaired. They cannot be kept in as long as there is trouble on the wires, unless a man stands at the switch and holds the handle.

The engine has been fully overhauled and a new clutch put on between the engine and generator; this we are just getting into operation.

Cost of clutch $762. Repairs on engine were contracted with the Union Iron Works for $250.00

The wires from the switchboard at present go up through the ceiling and out through an old cupola. It is impossible to get into this space in case of fire and I am at present removing the wires and running them out the front of the building on the ground floor, where they can be seen at all times. This wire is fire proof and much better than the old rubber covered that we are replacing.

Where the wires cross the Maine Central tracks it has been necessary to set two heavy forty-five foot poles and make a new crossing as the old one was not of sufficient height and was all rotten.

The output here has been greatly increased during the past year, by the addition of the Main Street lighting, the Library, the High School and the motor at the rock crusher.

	Kilo-watt hours
The average night load at present is for the year	1,540,000
The average day load at present is for the year	242,780
Yearly total	1,782,780

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Divide the total cost of running the plant which is $7,212.31 by 1,782,780 kilo-watts gives us a price of four mills per kilo-watt. This is the actual cost of manufacture.

Now take the entire amount of money expended by this department for the past year, which includes everything, and don't allow any credits for any of the new permanent work, police signal, fire alarm or work done for other departments. Take this sum of $40,583.44 and divide it by 1,782,780 kilo-watt hours and it gives us a price of 2¼ cents a kilo-watt.

The above is not taken from guesswork but is the actual readings from high priced electrical instruments.

Our total connected load is as follows:

	Watts
High school, lights	47.000
High school, motors	62.000
Library lights	22.000
Library, motors	13.000
Union St. Grammar school	5.000
Bower St. school	.480
Pond St. school	.360
Palm St. school	18.440
First St. school	1.360
Larkin St. school	4.220
Longfellow school	2.880
Center St. school	.360
City Farm, lights	9.508
City farm, motor	5.000
City Hall. lights	36.000
Central Fire station	7.470
Hose 2	2.100
Hose 3	1.520
Hose 4	3.620
Hose 5	3.800
Hose 6	2.780
Central Fire Station, motor	5.000
Water Works and station, lights	15.600
Water Works, motors	105.000

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Sub-station, lights	3.600
Sub-station, motors	5.500
Brewer bridge	2.400
Standpipe	6.000
Rock crusher, motor	50.000
City stables and Court St. buildings	2.000
Armory	4.000
Central St. lights	9.000
All series alternating street lights, including Main St.	355.000
	811.998

811.998 Watts equals 812 Kilo-Watts.

This 812 kilo-watts is the amount of electricity that it would take per hour to run the motors and lights that belong to the city, if they were all running at once. That is, this amount of power would have to be delivered at the apparatus. Outside of this there must be taken into consideration the line and transformer losses.

Our generators are rated at 250 kilo-watt each and would carry 25% overload. This makes our station good for 625 kilo-watt. As one machine is good for only half of this, it would be impossible to run our full load if one of the machines burned out. We very often have a load of 425 kilo-watt during the first part of the evening.

NEW CONSTRUCTION

In order to supply current to the high school and library it was necessary to change over a large part of the circuits in the city which took several miles of wire and a lot of cross arms. All this work had to be charged to line maintenance, and a glance at last year's report will show that I only laid out $1,334.59 on lines and this year it has cost $6,425.55.

There has been a 50 horse power motor installed at the rock crusher which is going to save the street department two or

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three thousand dollars a year in the future. This is a 2300 volt motor, and requires no other attention than that of throwing in the switch. This job took between seven and eight miles of line wire and cost $1,704.01.

MAIN STREET ORNAMENTAL LIGHTING SYSTEM

To let the citizens understand fully the cost of this system I will submit it as I put it down in my day book.

November 9. Order passed to install system.
November 17. Started two men digging holes.
November 29. Had nine men at work.
December 1. Started laying cable.
December 2. Hired 15 men making 24 on job.
December 4. Hired 6 men making 30 on job.
December 7. Let 13 men go.
December 11. Let 4 men go.
December 19. Started all the lights without trouble, at 6.45 P. M.
December 19. Let 3 men go.
December 20. Let 4 men go.
December 22. Started bonding the cable sheath and poles together.
January 6. Finished bonding.
January 11. Finished for the winter, by wedging in poles and closing up sidewalks as much as possible.

ITEMIZED COST OF JOB

Rectifier outfit at station, good for 50 lights	$1,239 25
Cost of labor	1,091 75
40 loads gravel	60 00
108 bags cement	51 30
Hemlock lumber	137 97
3100 feet cable at .202 cents	626 20
Bonding wire	30 00
73 bonding bolts and clamps	18 25
15 lbs. compound tape	15 00
31 lbs. friction tape	7 75
2 gals. asphaltum	2 00
25 lbs. nails	1 00

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Cost of hauling away dirt	37 75
Horse hire	64 00
John Ward, bill for relaying brick	123 19
731 lbs. No. 6 line wire	139 77
10 6-pin cross arms	10 50
Lightning arresters	31 50
Labor at station	12 00
Cutters bill for pine forms	46 68
	$3,745 86

In addition to the above there will be a week's work for three men cementing the pole in the center of the concrete form and leading in the sub-bases.

CENTRAL STREET JOB

Amount of labor, Central St	$ 168 00
Amount of labor, Harlow St	62 00
Hemlock lumber	25 00
12 bags cement	5 70
7 loads sand	10 50
20 lamps	13 00
Glassware	45 06
1511 feet cable	315 00
Cut-outs	2 50
30 fuses	1 05
2 automatic switches	48 00
Two 10 K. V. A. transformers	167 75
Total	$ 863 56

Here I wish to state that had these jobs been started a little earlier the cost would have been less, as the streets had to be kept in condition for snow and everything had to be picked up each night and carried to the sub-station. My police protection amounted to $45.30.

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STREET LIGHTS REMOVED AND REPLACED BY 200 C. P. TUNGSTENS

Hitchman Hill	1
State and Howard	1
State and Otis	1
Otis and Garland	1
Birch and Garland	1
Maple and Garland	1
Park View Ave. and Garland	1
Park View Ave. on hill	1
Park View Ave. and Mt. Hope Ave	1
Palm St. above Garland	2
Forest Ave and Garland	1
Forest Ave. above Garland	2
Stillwater Ave. and Elm	1
Stillwater Ave and Grove St	1
Grove St. next Avenue	1
Grove St. above Avenue	1
Stillwater Ave. and Essex	1
Broadway at Hathorns	1
French St. at Morses	1
Grant St. above Montgomery	1
Leighton and Linden	1
Leighton, near Nelsons	1
Montgomery and Fountain	1
Kenduskeag Ave., last light	1
Kenduskeag Ave. and Montgomery	1
North of Tin Bridge	1
Haley's Store, Main St	1
Thatcher St. hill	1
Dillingham St	2
Catell and Main St	1
Lower Dutton St	1
Car Barn, Main St	1
Emerson St	1
Poor Farm	1
Lincoln and West Broadway	1
Union and Highland St	1
Hose 4	1

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Main St., business section	7
Main and Barker	1
Railroad and Summer	1
Summer and South	1
South and Pleasant	1
May and Pleasant	1
Summer and Cedar	1
Sidney	1
Lincoln and Third	1
Pickering Square	1
East Summer and Hancock	1
Warren and Fifth	1
Broadway, near State	1
Kenduskeag Ave. and Division	1
Center and Somerset	1
Davis and Main	1
Wing and West Broadway	1
Seventh and Savage	1
Hammond and Webster Ave	1
Center and Linden	1
Total	66

TUNGSTENS INSTALLED ON STREETS

Hammond St. to Hermon	23
Hitchman hill	2
State and Howard	1
State and Otis	1
Otis and Garland	1
Birch and Garland	1
Maple and Garland	1
Park View Ave. and Garland	1
Park View Ave. on hill	2
Park View Ave. and Mt. Hope Ave	1
Palm St. above Garland	3
Forest Ave. and Garland	1
Forest Ave. above Garland	4
Stillwater Ave. and Elm St	1
Stillwater Ave. and Grove St	1

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Grove St. next Avenue	1
Grove St. above avenue	1
Stillwater Ave. and Essex St	1
Broadway at Hathorns	2
French St. at Morses'	2
Grant St. above Montgomery	1
Leighton St., near Nelson	1
Montgomery and Fountain	1
Kenduskeag Ave., above Montgomery	2
Kenduskeag Ave. and Montgomery	1
North of Tin Bridge	1
Thatcher and Main St	1
Thatcher St. hill	2
Dillingham St	3
Catell and Main St	1
Dutton St., Lowel End	1
Car Barn	1
Emerson St	1
Poor Farm	1
Union and Highland	1
Hose 4	1
Union and West Broadway	1
Cottage, near Ohio	1
On Ohio, between 15th and 16th Sts	1
Oak, between York and Hancock	1
State St. Ave., relocated	1
Newbury Street	1
State Street	1
Pine, between Washington and Hancock	1
York and Hazel Lane	1
Lower Autumn St	1
Essex Court	1
Union Place	1
Center and Somerset	1
Highland Court	2
East Summer and Hancock	1
Cumberland St., at Kelley's	1
Main and Davis	1
Bullseye Bridge	2

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Broadway between York and State	3
Warren and Fifth St	1
Kenduskeag Ave. and Division	1
Union St., at Colonial	1
Pickering Square	4
Lincoln and West Broadway	1
Lincoln and Third	1
Ohio St. at Kenney's shop	1
Forest Ave., upper end	2
James St	2
Ohio, James to Winter	6
Lower Winter	1
Hillside Ave	1
Gridley and Church Lane	1
Dartmouth St	3
Cottage St	1
Vine St	1
Broadway, near Strickland Road	1
Franklin, near Hammond	1
Sidney St	1
Center St. Ave	1
Exchange St. at Schwartz'	1
Main and Barker	1
Railroad and Summer	1
Summer and South	1
May and Pleasant	1
South and Pleasant	1
Summer and Cedar	1
State, above E. M. G. H. to Mount Hope Cemetery	27
Broad St	3
Union St., near Clinton	1
Upper Forest Ave	1
Curve St	1
Upper Fruit St	1
Blake Place	1
Ohio St., Grange Hall to Church	11
Evans Court	1
North Park and Stillwater Ave	1
Seventh and Savage	1

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West Broadway and Wing	1
Upper Catell St	1
Larkin St	1
Total number installed	185

Seventy of the above number are 200 candle power lamps and the rest are sixty and eighty candle. There are none under sixty candle in the city.

Street lights removed	66 Arcs
Bryant's Pole, Main St	5 Street Series

LAMPS INSTALLED

185 Street series.

16 5-light multiple clusters on Central and Harlow streets.

33 Magnetite direct current arcs on Main street.

There is about 92 miles of street lighting wire in the city.

FIRE ALARM AND TAPPERS

Owing to the large amount of extra work this year it has been impossible to get all the underground cable connected up, but the cable is all pulled in and will be finished this coming summer.

Have installed new boxes number 111 at State and Forest Avenue, and number 313 at Buck and Webster Avenue. A box has been ordered also for Wiley street but has not yet arrived.

Number of tappers installed, 103.

There are 27 miles of fire-alarm wire and 32 miles tapper circuits.

Loop wire remains the same, being about 9 miles.

POLICE SYSTEM

Have had no trouble worth mentioning with this system. The cable is most all underground but not all working. This will be finished this year.

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INSPECTION

Owing to my getting out a new Electrical Ordinance I have done nothing the past year in this department on inspection. Now that this Ordinance is passed the inspection will be resumed under a payment basis.

REMARKS AND RECOMMENDATIONS

As predicted in last year's report it has been necessary for me to run a three phase auxiliary circuit from this station to the Bangor Railway & Electric sub-station, in order to have a little power on the peak of the tide, or when repairing my engine. Ordinarily I do not need any current from them, as the engine will now carry the load, it having been put in first-class shape and properly lined with the generator shafting, a thing that was never accomplished before.

Now I wish to state here that whoever is City Electrician for the year 1914, cannot add with safety any more than seventy-five horse power to this plant. We have reached the limit and I want the City Government to take notice of this fact. If my word cannot be taken, send away and pay an engineer of established standing to prove it.

If we ever burn out a generator, we will have to take about a quarter of the load from the Bangor Railway & Electric Company until repairs can be made.

At the power station I strongly urge that the flume be divided so that we can be independent of the Water Works department, and I would like to have a committee appointed to look into this and report their findings to the City Government, as I can see a way to fix up the present station at small expense so that we can run as we are for a number of years.

In closing I wish to thank his honor the Mayor, the members of the City Council, the heads of the different departments, the

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officials of the Telephone & Telegraph companies, the Bangor Railway & Electric Co., and especially the members of my crew and my committee.

Respectfully submitted,

R. N. BICKNELL,

City Electrician.

March 11, 1914.

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Stock on Hand and Cost Prices

Metalized lamps	
25 watt, 250	$ 37 50
50 watt, 250	42 50
60 watt, 50	8 50
100 watt, 100	22 00
Tungsten lamps	
25 watt, 160	48 00
40 watt, 160	48 00
60 watt, 395	138 25
100 watt, 50	35 00
150 watt, 118	112 10
250 watt, 24	35 04
750 watt, street series	32 00
100 watt, 150 street series	132 00
250 watt, 60 street series	103 20
1-1500 watt transformer	26 00
1-3000 watt transformer	38 00
3-600 watt transformer	63 00
1-9 watt street series tungsten transformer	186 00
50 Wheeler street fixtures	221 00
2 Pole seats	4 00
25 outrigging braces, 4 ft	12 50
50 iron pins	5 00
1 No. 40,000 Morris Iron Works 5 lt. post	50 00
13,200 feet lead incased fire alarm cable	462 00
2,180 feet No. 8 high tension armored cable	440 36
128-6 in. tubes	1 28
157-6 in tubes	77
37 Dunton tree insulators	14 06
2 Western Electric, 3 phase 110 volt motors, 2 H. P	152 00
1 General Electric 3 phase 220 volt motor, 2 H. P	76 00
1 Allis Chalmers 3 phase 220 volt motor, 2 H. P	45 00
124 rolls tape	21 07
18 lbs. splicing compound	18 00
250 2 wire cleats	5 00
22 cans soldering paste	2 20
10 fuse blocks	2 00

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3 moulding branch blocks	60
80 ft. metal moulding	4 80
34 packages gold dust	3 40
44 Webber rosettes	8 80
25 iron brackets	3 75
12 tapper bells	27 00
19 lbs. solder	4 75
40 keyless wall receptacles	6 00
10 junior rosettes	1 00
550 paste fuses	5 50
11 galv. condulets	2 20
120 fuse plugs	4 80
25 plug cut-outs	25 00
145 Porcelain strain insulators	8 70
31 pole caps for mast arms	31 00
2 manhole covers	10 00
30 straight line cut-outs	7 50
9 No. 1935 cut-outs	2 50
127 5 in. lag screws	2 54
34 6 in. lag screws	68
316 carriage bolts	9 48
681 square washers	6 81
26 18 in. spacing bolts	4 16
48 pkgs. toilet paper	4 00
12 keyless sockets	3 00
20 pipe taplets	6 00
188 lbs. W. P. iron wire	15 32
8 lamp guards	1 20
Miscellaneous screws	5 00
3 gals. F. A. paint	11 25
1 pint varnish	75
7 lbs. magnet wire	2 80
48 Arc lamp hangers	48 00
2,359 lbs. No. 6 line wire	421 69
5,280 feet No. 8 line wire	62 82
281 lbs. No. 4 line wire	50 58
55 porcelain knobs	75
1,835 lbs. No. 10 line wire	317 46
1,000 feet No. 10 flexible D. B. R. C. wire	60 00
100 lbs. 6 D nails	2 30

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4 iron drums	20 00
50 lbs. 12 D nails	1 15
100 lbs. 30 D nails	2 30
11 tapper fuse blocks	8 25
107 fuses for tappers	21 40
17 guy clamps	3 23
88 clear arc lamp globes	36 08
112 Arc lamp inner globe caps	56 00
39 Magnatite arc lamp globes	78 00
20 Phoenix globes for five light clusters	12 60
12 Dossert connectors	16 42
18 16 in. space bolts	2 88
140 14 in. space bolts	21 00
18 24 in. space bolts	4 32
44 16 in. through bolts	7 04
94 18 in. through bolts	16 92
105 12 in. through bolts	12 60
15 24 in. through bolts	3 60
35 Hamm Lanterns	18 55
1,000 Magnatite carbons	90 00
100 lbs. 10 D nails	2 30
7,000 Columbia carbons	105 00
144 inner globes	20 40
147 Pierce brackets	32 34
24 brass inner globe caps	12 00
2 Magnatite arc lamps	72 00
1 G. E. flaming arc lamp	36 00
1 Westinghouse electric flaming arc lamp	36 00
162 Washington fir 2 pin, cross arms complete	98 82
175 Washington fir 6 pin, cross arms complete	183 75
750 Locust pins	15 00
300 wood brackets	4 50
578 galv. iron braces	72 25
176 fire alarm glass	3 52
90 feet lamp cord	1 35
121 No. 16 Locke insulators	9 68
509 No. 15 Locke insulators	35 63
735 porcelain insulators	40 42
326 15 in. through bolts	48 90
141 dry batteries	21 15

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12 Ever ready batteries	6 00
240 copper sleeves	7 20
1,000 feet lamp cable	7 09
50 cartridge fuses	10 00
8 push button flush switches	8 00
1 keg round washers	4 00
55 G. E. Series sockets	27 50
6 wall receptacles	3 00
125 G. E. series receptacles	44 75
100 G. E. Locke sockets	35 00
22 Condulet switch plates	4 40
1 carboy acid	16 65
9 fire alarm switches	15 75
22 sets fire alarm magnets	88 00
2 G. E. Oil switches, double throw	76 00
1 G. E. single throw oil switch	25 00
1 Anderson time switch	45 00
18 attachment plugs	3 60
418 3 in. porcelain tubes	2 09
27 10 in. porcelain tubes	14
40 12 in. porcelain tubes	1 60
46 8 in. porcelain tubes	92
120 G. E. Form 3 arc lamps	1,200 00
7 police condensers	24 50
5 induction coils for police	12 50
2 sets repeater magnets	24 00
4 sets police polar relay magnets	20 00
1 safe	40 00
110 crow feet for fixtures	5 00
1 switchboard	8 00
50 gals. gasoline	9 00
60 feet 2 in. conduit	4 20
8 brooms, stable	3 20
103 windlasses for arc lamps	206 00
75 mast arm braces	75 00
75 mast arms	750 00
74 lamp shades	37 00
Total stock	$7,966 66

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Schedule of Property Belonging to Electrical Department

LIST OF TOOLS AT SUB-STATION

1 Fay & Scott lathe,
1 forge and anvil,
1 grindstone,
2 vises,
2 pipe cutters,
1 bolt cutter,
1 duplex die stock,
1 bull dog die stock,
1 little giant die set,
3 torches,
8 stone drills,
8 brick drills,
1 pipe vise,
400 feet duck rods,
1 25-foot extension ladder,
2 35-ft. extension ladders,
2 20-ft. ladders,
1 15-ft. ladder,
3 12-ft. ladders,
1 6-ft. step-ladder,
1 3-ft. step-ladder,
1 8-ft. step-ladder,
1 10-ft. step-ladder,
2 shovels,
6 scoops,
1 tamp mall,
2 snow shovels,
1 garden rake,
3 sets blocks,
2 tin pails,
1 hay fork,
1 barn shovel,
2 pickaxes,
1 currycomb,
1 horse brush,
4 trimmers' baskets,
1 bit brace,
6 bits,
3 rising pikes,
2 2-H. P. motor,
1 plane,
12 extension, bits,
2 pipe taps,
3 lanterns,
8 brooms,
2 hammers,
3 manholes gates,
1400-ft. running line,
6 hand lines,
1 horse, (work),
1 heavy harness,
2 light harness,
1 old express wagon,
1 light wagon,
2 sleds,
1 jigger
2 horse blankets
1 whip,
1 halter,
1 two-wheeled pole wagon,
1 tree trimmer,
3 ammeter,
2 voltmeters,
1 digging bar,
1 Polyphase wattmeter,
2 Graphic recording wattmeter,
1 wattmeter,
3 magnetos,
2 roll top desks
1 L. C. Smith typewriter,

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2 chamois,
2 sponges,
1 barn fork,
2 tables,
1 drafting table,
6 stilson wrenches,
3 hatchets,
3 screw-drivers,
3 sets come alongs,
4 chairs,
1 power drill,
50 feet garden hose,
2 breast drills,
100 ft. ¾ in. rope,
2 chisels,
1 couch,
2 saws,
1 draw shave,

ACCOUNT OF STOCK AT THE POWER STATION

100 gals. machine oil,
165 gals. cylinder oil,
50 gals. kerosene oil,
50 lbs. gear grease,
250 lbs. waste,
5 lbs. belt dressing,
4 gal. brass polish,
2 sets of cogs and kegs for 59-inch wheel,
1 set of cogs for 36-inch wheel,
4 rack rakes,
3 ice chisels,
1 set of blocks-tackle,
1 field coil,
1 armature coil for generator,
1 grate,
1 side piece,
2 caps,
1 5-inch 4-ft. boiler tube,
3 cap wrenches,
1 10-inch 4-ft. boiler tube,
2 sets of 3000 lb. chain falls,
1 set of 4000 lb. chain falls,
1 set of 2000 lb. chain falls,
50 lbs. cup grease,
1 rope fall,
1 8-inch Stilson wrench,
2 12-inch jackscrews,
2 4-ton hydraulic jackscrews,
2 6-inch jackscrews,
1 24-inch stilson wrench,
1 20-inch monkey wrench,
2 24-inch chain tongs,
1 12-inch ratchet drill,
1 5-inch vise,
1 breast drill,
1 12-inch hack saw frame and 10 blades,
125 lbs. babbitt,
100 feet 6 ply steam hose,
50 feet cotton lined hose,
1 steam tube blower,
1 Weinland turbine cleaner,
2 5-inch steel bars,
1 3-ft. pinch bar,
1 lawn mower,
1 iron rake,
1 spade,
1 wooden rake,
1 sickle,
2 snow shovels,
5 lanterns,
2 ¾-inch cold chisels,
3 machine hammers,

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1 14-inch Stilson wrench,
1 24-inch Stilson wrench,
1 36-inch Stilson wrench,
1 14-inch Trimo wrench,
1 12-inch Coe Monkey wrench,
1 21-inch Coe Monkey wrench,
2 ½-inch cold chisels,
2 ⅜-inch cold chisels,
1 8-inch Wescott wrench,
1 14-inch Wescott wrench,
1 boiler ratchet drill,
1 set bits for wood,
1 bit brace,
1 expansion bit,
1 8-foot step-ladder.

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REPORT OF
Superintendent of Sewers

BANGOR, ME., March 1st, 1914.

To His Honor the Mayor and the City Council:

The Superintendent of Sewers herewith submits his report for the year ending March 1st, 1914.

Appropriation for the year	$15,000 00	
Credits from other sources	1,858 03	
		$16,858 03
Expended for new work and all repairs and other expenses		15,673 38
Unexpended balance		$1,184 65

EXPENDITURES

NEW SEWERS

Union Street	$1,859 67
Poplar Street	98 55
Jackson Street	990 00
Birch Street	441 05
Tyler Ave	591 25
Harlow Street	305 25
Fifteenth Street	577 48
Leighton Street Extension	12 74
Broad Street Extension	105 15
Meadow Brook Extension	1,268 00
Water Street Extension	105 15
Buck Street Extension	210 33
Fruit Street Extension	91 50

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Pickering Square Extension	91 12	
Otis Street drain extension	11 70	
		$6,758 94

REPAIR OF SEWERS

Seventh Street	$ 62 50	
Front Street	38 92	
Merrimac Street	15 20	
Ohio Street	56 70	
French Street	12 95	
Kenduskeag Bridge	74 00	
Larkin Street	25 50	
Pearl Street	10 00	
Park Street	26 00	
Valley Ave	22 90	
Broadway	26 70	
Central Street	13 75	
Repair of sewers on Norway Rd., Emerson Street, Parkview Ave., Stillwater Ave., Olive Court, Curve, and Prospect Streets	45 45	
		$ 430 57

NEW CATCH BASINS ON OLD SEWERS

1	Front Street	$ 95 50
1	French and Congress Sts	68 44
1	Tin Bridge	64 90
1	Leighton and Poplar Sts	64 78
1	Garland and Fruit Sts	64 88
2	Poplar and Norfolk Sts	144 30
1	State and Fruit Sts	66 00
1	Howard and Garland Sts	69 05
1	Everett and Nelson Sts	59 15
1	Seventh and Bowdoin Sts	70 40
1	Union Street	66 04
3	Cottage and Union Sts	157 50
1	Sanford Street	73 68
1	James Street	95 74
1	Manners Ave	65 54

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2	Central Street	157 06	
1	Curve Street	54 80	
1	Union and Jackson Sts	99 49	
2	Kenduskeag Bridge	80 55	
1	Larkin Street	85 30	
1	Norway Road	72 62	
1	Harlow Street	43 45	
1	Grove Street	57 92	
1	Washington Street	66 14	
1	May and Pleasant Sts	109 02	
1	May and Summer Sts	65 90	
1	Pickering Square	84 60	
1	Market Street	32 10	
1	Rear of High School	118 55	
34			$2,352 40

REPAIR OF CATCH BASINS AND MANHOLES

1	Seventh Street	$ 25 50	
3	Independent	15 50	
1	Pine Street	31 02	
1	Maple Street	38 00	
3	Allen Street	32 44	
1	Hammond Street	26 08	
1	Cedar Street	41 00	
5	Harlow Street	19 50	
2	Cumberland Street	15 58	
1	Elm Street	11 40	
1	Grace Court	15 00	
1	Broadway	11 00	
20	others	79 00	
			$ 361 02
	Cleaning of Catch Basins	$2,754 46	
	Jobbing and flushing	230 25	
	Repair of sewer carts	285 87	
	Work of department during winter	440 25	
	Incidentals and supplies	532 55	
	Salary of Superintendent	950 00	
	Salary of Sewer Board	150 00	

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Horse hire for the season	150 00	
W. H. Holman, drain	19 05	
Harry French's drain repaired	26 00	
Repairs on iron stairs of M. C. Peirce	132 02	
Damages, P. J. Byrnes	100 00	
Total amount of expenditures		$15,673 38

AMOUNT OF NEW SEWER BUILT

Fifteenth Street	750 feet 10 inch pipe
Tyler Ave	445 feet 10 inch pipe
Birch Street	430 feet 10 inch pipe
Jackson Street	366 feet 10 inch pipe
Union Street	995 feet 10 inch pipe
Poplar Street	165 feet 10 inch pipe
Meadow Brook	290 feet 3½ feet brick
Harlow Street	174 feet 10 inch pipe
Water and Broad Streets	150 feet 15 inch pipe
Harlow Street	100 feet 5 inch pipe
Buck Street	125 feet 12 inch pipe
Leighton Street	18 feet 8 inch pipe
Fruit Street	180 feet 8 inch pipe
Pickering Square	65 feet 12 inch pipe
Ohio Street drain	40 feet 10 inch pipe
Connections	758 feet 8 inch pipe
Total	5,051 feet

The necessary Catch Basins and Manholes have been built in connection with all new sewers; two catch basins and two manholes on Union street; one catch basin and one manhole on Fifteenth street; two catch basins and two manholes on Jackson street, two catch basins and one manhole on Birch street, one catch basin on Harlow Street. This makes the total number of catch basins built this year forty-three; thirty-four on old sewers and nine on new sewers, making the total number of catch basins in the City 1229. There have been 7 manholes

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and 5051 feet of new sewer built during the year which makes about 45 miles of sewer in the City.

A larger number of catch basins have been built on old sewers than in any previous year, and many more have been asked or petitioned for which it was not deemed advisable to build this year although they are much needed, not alone for the convenience of the people in their locality but in my opinion would greatly assist in keeping the roads in condition, by allowing the water a chance to drain off.

All the sewers petitioned for this year have been built with the exception of those on Hersey Ave., and Upper Broadway, where the water service which is necessary to keep a sewer clear does not extend at present; and a sewer from Lincoln to Larkin streets, the survey for which was made but too late for it to be built this year. I would recommend this sewer be built the coming season.

The Jackson and Union street sewers built this year were expensive, owing to the large amount of ledge encountered, it being necessary to cut through from six to eight feet of ledge for a considerable distance. All of the sewers were constructed below the estimated cost. Six of the catch basins in other sections of the City were located where it was necessary to excavate from solid ledge.

The Meadow Brook sewer was extended this year 290 feet at a cost of $1268.00 which brings it about 400 feet from Milford Street. I would recommend it be continued to Milford Street the coming season.

The sewers at the foot of Water and Buck streets which formerly discharged at highwater mark and were very offensive to the people in those sections when the tide was out, and a menace to the health of the community, were extended this year by laying iron pipe to the low water mark.

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There have been about 65 houses connected with the sewer this year.

All the catch basins in the City have been cleaned once, and those where it was necessary twice and some three, four, five and six times at a cost of $2754.46.

For a schedule of property in the possession of this department I would refer you to the report of the Committee on City Property.

Respectfully submitted,

WM. E. GIVREN,

Supt. of Sewers.

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Report of the Water Board

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BANGOR WATER BOARD
1914

THE MAYOR, President, *ex-officio*

JOHN. F. WOODMAN.....Term expires March, 1917
F. PARKER DENACO.....Term expires March, 1917
WILLIAM S. HIGGINS.....Term expires March, 1916
BERNHARD M. KIRSTEIN.....Term expires March, 1916
MILTON S. CLIFFORD.....Term expires March, 1915
ALBERT L. BLANCHARD.....Term expires March, 1915

WALTER I. BROWN, *Clerk*

STANDING COMMITTEES

ADVISORY COMMITTEE

W. S. Higgins — A. L. Blanchard — B. M. Kirstein

AUDITING COMMITTEE

J. F. Woodman — M. S. Clifford — B. M. Kirstein

DAM AND WATER WORKS

W. S. Higgins — M. S. Clifford — F. P. Denaco

LAND DAMAGES COMMITTEE

J. F. Woodman — A. L. Blanchard — F. P. Denaco

OFFICERS

Melville A. Sinclair.....Superintendent
John W. Dougherty.....Chief Engineer Pumping Station
Walter I. Brown.....Clerk and Collector
Cornelius O'Brien.....Inspector
Prof. Jas. M. Caird, Troy, N. Y.....Consulting Chemist
A. C. Powell.....Resident Chemist
Marion G. Currier.....Assistant Water Board Office
F. Virginia Cluff.....Assistant Supt. Office

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BANGOR WATER BOARD

Date of Election and Length of Service of Members, 1875-1914

*Geo. Stetson 1875-1887
*W. T. Pearson, resigned, and
*G. L. Boynton, elected 1875-1877
*L. H. Eaton 1875–1877
*A. G. Wakefield 1877–1879
*J. S. Ricker 1877–1879
*M. S. Drummond 1877–1880
*Sprague Adams 1877–1879
*Hiram B. Williams 1877–1887
*Geo. Savage 1877–1878
*Hiram H. Fogg 1878–1893
*Thomas W. Vose 1879–1901
Wm. Conners 1879–1883
*Silas D. Jones 1879–1885
*John L. Cutler 1880–1891
T. U. Coe 1883–1886
Charles I. Collamore 1885–1900
*James Adams 1886–1903
Thomas White 1887–1896
Hugh R. Chaplin 1891–1894
Chas. S. Pearl 1893–1896
*James H. Snow 1894–1897
T. U. Coe 1896–1905
W. W. Fellows 1896–1899
Warren A. Bragg 1897–1906
Charles F. Bragg 1899–1905
Milton S. Clifford 1900–1906
William Z. Clayton 1901–1904
William W. Fellows 1904–1907
George E. Wharff 1904–1907
Freeland Jones 1905–1908
*Jas. B. Mullen 1905–1911
Jas. F. Singleton 1906–1909
Edward S. Perry 1906–1909

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Charles F. Bragg		1907–1910
Arthur Chapin		1907–1910
Milton S. Clifford		1908–1911
F. Parker Denaco		1909–1912
*William H. Gorham		1909–1912
William S. Higgins	1910	Now in Office
Patrick J. Feeney		1910–1912
Flavius O. Beal		1911–1913
John F. Woodman	1911	Now in Office
Milton S. Clifford	1912	Now in Office
Albert L. Blanchard	1912	Now in Office
Bernhard M. Kirstein	1912	Now in Office
John H. Rice		1913–1914
F. Parker Denaco	1914	Now in Office

*Deceased

PRESIDENTS OF THE BOARD, *ex-Officiis*

Mayor,	*Augustus C. Hamlin	1877–1879
"	*William H. Brown	1879–1881
"	*Lysander Strickland	1881–1883
"	*Frederick A. Cummings	1883–1884
"	*Samuel F. Humphrey	1884–1885
"	*Edward B. Nealley	1885–1887
"	Charles F. Bragg	1887–1890
"	Edward H. Blake	1890–1891
"	*Joseph F. Snow	1891–1892
"	Flavius O. Beal	1892–1895
"	*Charles L. Snow	1895–1896
"	Flavius O. Beal	1896–1899
"	Arthur Chapin	1899–1902
"	*William Engel	1902–1903
"	Flavius O. Beal	1903–1905
"	William B. Pierce	1905–1907
"	John F. Woodman	1907–1911
"	Charles W. Mullen	1911–1913
"	Flavius O. Beal	1913–1914
"	John G. Utterback	1914

*Deceased

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Report of Water Board

To the City Council of Bangor:

The Water Board herewith submits its thirty-ninth annual report together with the reports of its superintendent, chief engineer and clerk and collector.

The department has had a very satisfactory year. The most serious interruption to its service was on February 19th, when a bad break was discovered in the 20 inch force main on Garland Street at the corner of Birch. The frozen ground and cold weather made digging very difficult, but on February 21st the damage was repaired. This incident calls attention to the need at no distant date of additional facilities for water storage, probably by means of another stand pipe.

The most important street work has been the laying of 2752 feet of twelve inch main in French street to the junction of Broadway providing a very much needed feeder for the mains leading off from it in that vicinity.

The total amount of distributing mains now in the system is about 54½ miles, while connected therewith are 5100 service pipes.

Some repairs will be necessary at the pumping station, including an extension of the concrete retaining wall, and replacements on the east side of the sluiceway.

Including appropriations from the City the yearly revenue was $102,888.18, while the actual cash receipts were $90,178.09. Systematic inspections of fixtures have been made, the inspector making reports on 7293 fixtures at houses and various places of business, the highest record ever made in the department.

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The pumps have supplied 1,452,007,600 gallons of water to the city, a daily average of nearly four million gallons, the highest amount being 6,549,855 gallons on February 13th and the smallest 3,145,325 gallons on April 6th. A marked increase in consumption is shown for January and February, indicating very clearly a great waste, caused by takers leaving their fixtures open to prevent freezing. It is a difficult problem to prevent this needless use of water without the introduction of meters. It is a severe strain on the system to be obliged to pump nearly double the amount actually needed for legitimate purposes, not to mention the serious danger of shortage of water should a big fire occur. The board trusts that the water takers will safeguard their fixtures during the coming year, so that this menace to our system may be done away with.

The new filters have given entire satisfaction. The report of the Chemist contains many interesting facts and will show the general efficiency of the department under his charge.

During the coming year it is proposed to install a new low lift pump at the works of ten million gallons capacity, the ones now in use being hardly sufficient to supply the water needed on extraordinary occasions.

F. O. BEAL, Mayor
WM. S. HIGGINS
JOHN F. WOODMAN
ALBERT L. BLANCHARD
JOHN H. RICE
B. M. KIRSTEIN
MILTON S. CLIFFORD
Water Board.

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Report of the Superintendent

March 1, 1914.

To the Bangor Water Board:

Gentlemen: I respectfully submit to you for your consideration the thirty-ninth annual report of the Superintendent for the fiscal year ending February 28th, 1914.

EXTENSIONS OF STREET MAINS

The street distribution mains are all in good condition. Several have been relaid to larger sizes to increase the supply in the different districts which they serve. The following table gives the extension for the year.

Location	Size	Feet
Parkview Ave., from end of old main, south	2″	135
Thirteenth St. from end of old main, north	6″	215
Poplar, from Leighton to Fountain	6″	210
Center, from Congress north	6″	262
Catell, from Hubbard north	6″	190
Fountain, from Poplar south	6″	126
Congress, from French to Center	8″.	319
French, from Cumberland to West Park	12″	1410
French, from Congress to junct. of French and Broadway	12″	1342
Total number of feet laid		4209

	Feet
Total number of 2″ laid	135
Total number of 6″ laid	1003
Total number of 8″ laid	319
Total number of 12″ laid	2752

Total number of miles connected with Distribution System, 54 2581-5280.

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The relaid distribution mains appear as follows:—French St., from 6″ to 12″; Centre St., from 4″ to 6″; and Congress St., from 4″ to 8″.

The 12″ cast iron force main on French St. has been extended from Cumberland and French Sts. to West Park St. This new line opens a direct high pressure fire line to the "Little City" and greatly increases the general service in that locality. I earnestly recommend that this size line be extended from the junction of Broadway and Centre Sts. to French and Broadway; this will discontinue "dead ends" and allow a much needed circulation. The 6″ main on Boutelle Road should be extended to Webster Ave. also that on Royal Road.

BREAKS AND LEAKS

Three breaks have occurred in the mains the past year; one in the 4″ main on Centre St. one in the 4″ main on Kenduskeag Ave. and the most serious one occurred in the 20″ force main on Garland St. at the corner of Birch St. on the afternoon of Feb. 19th, water was shut off at 1.30 P. M. and repairs were made and turned on Saturday morning Feb. 21. Eighteen service leaks have been repaired also.

VALVES

Each valve in the entire system has been inspected the past year, and is in good condition. It will be absolutely necessary this summer to renew many of the wooden valve boxes with the regulation iron box.

The setting for the year have been as follows:—

Location	Size
York and Exchange	4″
Harlow and Haynes Court (A. P. Smith valve)	6″
State and Park (A. P. Smith valve)	6″
Broad St. Snow & Neally Co. (A. P. Smith valve)	6″
Centre and Congress north	6″

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Poplar and Leighton west	6″
French and West Park	6″
French and Cumberland	6″
French and Garland	6″
Garland and French, east	6″
French and South Park	6″
So. Park and French, east	6″
Broadway and French	6″
French 500 ft. north of Congress	6″
French and Congress	6″
Hammond and Seventh	6″
Congress and Centre, east	6″
French and Cumberland, north	12″
French and Cumberland (A. P. Smith Valve)	12″
French and Garland, north	12″
French and Congress, north	12″
Total number set during the Year	21

VALVE DATA

Total number set to date, 550

Size	1¼″	2″	4″	6″	8″	12″	16″	20″	24″
No.	1	32	135	310	40	15	5	11	1

FIRE HYDRANTS

All fire hydrants have been tested at the regular periods, and are as usual in the best of condition for service. Three have been added the past year at the following locations:

Location	Pressure per Sq. in.	Pattern
French and Congress	65	M
French 500 ft. north of Congress	60	M
Harlow, near Haynes Ct	100	M

Total number of Distribution System, 312

SERVICES

The service department has installed fifty-five (55), renewed eighty-five (85), and discontinued twenty-three (23), services

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during the year. The total number of services connected with the system at present is 5100.

METERS

All meters in service are in good repair and are registering in a creditable manner. The following table gives the entire setting for the Dept.

Total, 121.

Size.....	⅝″	¾″	1″	1½″	2″	3″	4″	6″	
Make									
Crown.....	17	22	6	8	8	0	0	1	42
Empire.....	0	19	0	2	4	0	0	0	25
Nash.....	0	4	0	0	0	0	0	0	4
Gem.....	0	0	0	0	4	20	2	0	26
Lambert....	0	1	6	3	4	0	0	0	14
Hersey.....	0	0	5	0	0	0	0	0	5
Disc.....	0	4	0	0	0	0	0	0	4
Trident.....	1	0	0	0	0	0	0	0	1
Total...	18	30	17	13	20	20	2	1	121

STREET WATERING STANDPIPES

The street standpipes are in good repair. None have been added during the year. The total number connected with the system, 37.

Location

EAST SIDE

Congress and Centre
Cumberland and Market
Elm, near school building
Fern and State
Grant and Linden
Hancock and Birch
Hancock and Oak
Harlow and Central
Harlow, near Curve

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Kenduskeag Ave. and Jefferson
Newbury and York
North Park between Broadway and Stillwater Ave.
Palm and Garland
Pine and State
State, oppo. B. R. & E. Co. Car Barn
Somerset, near French
Washington and Hancock

WEST SIDE

Allen and Hammond
Broad, near Bangor Egg Co. (oppo. Water St.)
Buck and Main
Cedar and Main
Cottage, near Ohio
Cottage and Union
Court, near Water Departments Office (oppo. Clark)
Main, near Railroad Bridge (Tin Bridge)
Main oppo. Patten
Main, near City Farm
Ohio, near Fifteenth
Pond and Cedar
Railroad, near Front
Second, near Water Dept. pipe Yard
Summer and Union
Third and Cedar
Union and Hammond
Warren and Fourth
West Broadway and Hammond
Ohio, near George

STANDPIPE

At present the standpipe and super-structure are in good condition. The super-structure has been painted during the year; and it will be very necessary to renew the deck canvass another year for it is wearing badly.

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DEPARTMENT BUILDINGS

The department buildings are in fair condition; some painting ought to be done within a year or two, but I earnestly recommend that the store house on Second St. be painted early the coming summer.

DAM AND PIERS

The concrete retaining wall east of the Engineer's dwelling should be extended to the pumping station building, the wooden wall now in place is decaying fast and will cause trouble very soon.

At present (February) our crews are repairing the "headgates," upon first examination several starts were found broken.

Arrangements are being made to repair the east side of the sluiceway; this work will begin as soon as the weather will permit.

No extensive work aside from the paragraph mentioned above has been necessary on the dam and piers.

FILTER PLANT

The filter plant still continues to operate in a satisfactory manner. The old concrete alum solution tanks in the "head house" have been relined and will be used in the future for emergency should the wooden tanks become impaired.

It has been necessary this year as last to continue the flushing of the distribution system; the results have been very satisfactory, but it is not well to discontinue the practice for long, for trouble will ensue.

BOILER

The new horizontal tubular boiler that was ordered for the pumping station was installed by the Union Iron Works of this city. The boiler is in commission and heats the entire plant

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and serves as an emergency to run the 20″ centrifugal pump should the water power fail.

In closing I wish to thank the Mayor, Water Board, and all of the Department Officers for their co-operation with me during the past year.

Respectfully submitted,

M. A. SINCLAIR, Superintendent.

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Report of the Water Collector

Water Collector's Office,
Bangor, March 2, 1914.

To the Bangor Water Board:

Gentlemen:—In compliance with the requirements of the city ordinance, I herewith present the thirty-ninth annual report of the department, showing the receipts, expenditures and refunds for the year ending February 28, 1914.

CASH STATEMENT

On hand February 28th, 1913	$ 589 25		
Received from general water service, from March 1, 1913, to March 1, 1914	88,425 48		
Received from fines, delinquent water customers	87 20		
Received from sundry parties, water used for mixing lime and cement for building purposes	479 57		
Received from water furnished to circuses	25 00		
		$89,606	50
Received from sale of cast iron pipe, scrap, etc		$ 220	33
Received from sale of ledge rock		80	50
Received from sale of grass		16	00
Received from labor and material, trenching for water service		248	76
Received from use thawing machine		6	00
		$90,178	09

CREDIT

By paid H. O. Pierce, City Treasurer, per receipts	$89,200 00		
Paid water customers for vacancies and non-use of fixtures	237 87		
Cash on hand	740 22		
		$90,178	09

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For the seventeenth consecutive year, all water rates charged for the year ending Feb. 28, 1914, have been paid.

It is with pleasure, the collecting department expresses its appreciation to the citizens for making this record possible.

CHARGES ON WATER LEDGERS

Amount per schedule ledger, from March 1, 1913, to March 1, 1914	$70,243 25	
Amount per meter ledger	19,117 93	
Amount per petty ledger	504 57	
Amount to Charitable Institutions et als	2,196 00	
		$92,061 75

REFUNDS

Water rates to the amount of	$ 237 87	
Which deducted from the receipts for water	88,930 05	
Leaves net receipts for water		$88,692 18
Add the amount credited the department for water furnished to Charitable Institutions	2,196 00	
Add the amount appropriated by City Council, and credited the department for water furnished the various departments	12,000 00	
Making the yearly revenue for water		$102,888 18

TURN ON AND SHUT OFF RECORD

Nine hundred seventy-six (976) orders have been issued for turning on water and removing seals from fixtures.

Eleven hundred ninety-five (1195) orders have been issued for shutting off water on account of vacancies and seals applied to fixtures at the request of owners.

NON-PAYMENT OF WATER RATES

It has been necessary to shut off water for the non-payment of rates at two dwellings.

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Water rates to the amount of $2,691.62 have been paid in advance of April 1, 1914.

The following amounts represent the valuation of water furnished the city departments:

Incidental Account	$ 921 00
School Department	1,610 25
Highway Department	1,312 50
Fire Department	7,651 50
Pauper Department	204 50
Sewer Department	400 90
Water Department	117 00
Electric Department	62 00
Police Department	111 00
Park Department	350 00

There were 55 new water services installed during the past year, and the fixtures connected therewith amount to $3,659.50 classed as follows:

140 sinks	1 lawn fountain
307 water closets	11 steam boilers
123 bath tubs	1 elevator
238 wash bowls	1 motor
90 set wash trays	15 slop hoppers
18 cellar faucets	37 urinals
6 Counter faucets	2 bottle washers
46 plain faucets	2 chair bowls
12 stable faucets for	3 glass washers
25 horses and 11 cows	1 window spray
5 shower baths	1 rinse tank
104 sill faucets	1 baptismal tank

The Inspector, Mr. Cornelius O'Brien, has reported as having inspected the fixtures at 7293 places and places of business. This is the largest inspection record ever made for this department. He was unable to gain admittance at 211 dwellings and business premises.

The revenue from the number of fixtures returned by the Inspector, which had not othervise been reported amount to

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$128.00. There were 33 premises reported where leaking fixtures were found, notices of same was sent to the respective owners and repairs promptly made.

The collecting department wishes to express its approval of the recent order, wherein, all water rates shall be paid by the property owners.

When the Department approves of a method whereby the bills will be sent direct to all property owners, it will be a benefit to both the customer and the collecting department.

YEARLY REVENUE

Statement of the yearly revenue received from water service since the introduction of the Water Works in 1875:

From introduction to March 14, 1877	$ 7,198 55
From March 14, 1877, to March 14, 1878	11,835 75
From March 14, 1878, to March 14, 1879	20,269 50
From March 14, 1879, to March 1, 1880	20,970 50
From March 1, 1880, to March 8, 1881	23,133 00
From March 8, 1881, to March 15, 1882	26,014 00
From March 15, 1882, to March 14, 1883	26,408 00
From March 14, 1883, to March 14, 1884	26,947 61
From March 14, 1884, to March 14, 1885	28,052 00
From March 14, 1885, to March 16, 1886	35,875 75
From March 16, 1886, to March 16, 1887	33,465 75
From March 16, 1887, to March 13, 1888	35,118 97
From March 13, 1888, to March 12, 1889	37,316 61
From March 12, 1889, to March 13, 1890	40,552 12
From March 13, 1890, to March 10, 1891	44,668 30
From March 10, 1891, to March 10, 1892	46,864 09
From March 10, 1892, to March 10, 1893	47,763 19
From March 10, 1893, to March 10, 1894	49,878 83
From March 10, 1894, to March 1, 1895	53,405 30
From March 1, 1895, to March 1, 1896	56,005 43
From March 1, 1896, to March 1, 1897	59,173 21
From March 1, 1897, to March 1, 1898	63,447 10
From March 1, 1898, to March 1, 1899	66,766 72
From March 1, 1899, to March 1, 1900	66,610 91

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From March 1, 1900, to March 1, 1901	60,300	68
From March 1, 1901, to March 1, 1902	61,673	52
From March 1, 1902, to March 1, 1903	64,362	83
From March 1, 1903, to March 1, 1904	66,559	27
From March 1, 1904, to March 1, 1905	66,829	59
From March 1, 1905, to March 1, 1906	71,222	24
From March 1, 1906, to March 1, 1907	75,001	98
From March 1, 1907, to March 1, 1908	76,875	63
From March 1, 1908, to March 1, 1909	78,738	09
From March 1, 1909, to March 1, 1910	81,812	92
From March 1, 1910, to March 1, 1911	81,615	38
From March 1, 1911, to March 1, 1912	95,579	94
From March 1, 1912, to March 1, 1913	98,895	00
From March 1, 1913, to March 1, 1914	102,888	18
	$2,010,096	44

Respectfully submitted,
WALTER I. BROWN,
Clerk and Collector.

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Itemized Account of Receipts and Expenditures

RECEIPTS

Amount received from the City Council, same being appropriated for water used by the various departments, said amount being deposited account Sinking Fund	$ 12,000 00	
Amount received from W. I. Brown, Collector of Water Department	89,200 00	
Amount received from Incidental Department for water furnished Charitable Institution et al	2,196 00	
Amount received from Highway Department for material furnished	18 00	
		$103,414 00

EXPENDITURES

STREET MAINTENANCE

City Treasurer, for pay rolls	$ 6,695 85
City Treasurer, for salaries	3,000 00
Adams Dry Goods Co., shop supplies	36 00
Addressograph Co., office supplies	40
American Express Co	35
J. M. Arnold Shoe Co., shop supplies	15 90
Atkins Bros., painting	448 11
Baker-Vawter Co., office supplies	16 56
Bangor Co-Operative Ptg. Co., printing annual reports, etc	200 00
Bangor Ice Co., ice for shop	5 15
Bangor Publishing Co., advertising	97 34
J. I. Barnes, saw filing	3 00
J. P. Bass Publishing Co., advertising	53 33
Berry & Smith, supplies	85
Harold L. Bond Co., shop supplies	19 25
N. H. Bragg & Sons, same	59 47
Amount carried forward	$10,561 56

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Amount brought forward	$10,651	56
W. I. Brown, office assistant, assistant at Superintendent's office and other paid vouchers	$ 1,163	98
Burroughs Adding Machine Co., office supplies	3	00
T. W. Burr Ptg. & Adv. Co., printing and posting water rates due notices	93	91
P. J. Byrnes, insurance, Court St. shop	34	50
J. Herbert Boyd, insurance Court St. shop	34	50
Charles Carr Estate, tapping machine fittings	15	00
T. F. Cassidy & Son, shop supplies	3	00
Chandler & Co., supplies for office and shop	6	73
Arthur Chapin Co., supplies for shop	26	46
Fred H. Clifford, advertising	4	50
Columbia Towel Supply Co	4	80
Fred Cort, charcoal	26	88
W. S. Darley & Co., shop supplies	2	50
E. F. Dillingham & Co., supplies for office and shop	33	74
W. H. Dore, painting	5	63
R. B. Dunning & Co., galv. iron pipe and supplies	458	39
Eddy Valve Co., valves	68	43
Fred E. Eldridge Co., painting	54	76
R. E. Freeman, veterinary	3	00
C. H. Glass & Co., office printing	38	25
Hincks Coal Co., shop coal	67	42
Edward Jordan, stable supplies	17	25
Ira H. Joy, printing	4	25
M. H. Lancaster, carpentry	68	15
Library Bureau, office supplies	15	30
Henry Lord & Co., insurance on stand pipe	18	90
Leighton, Leland & Grant, blacksmith work	32	10
B. W. Mayo, plumbing and supplies	23	27
Monach Valve Mfg. Co., shop supplies	4	95
Morse & Company, lumber	65	22
H. Mueller Mfg. Co., shop supplies	4	25
National Lead Co., shop supplies	117	60
Amounts carried forward	$13,172	18

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Amount brought forward	$13,172 18	
New England Tel. & Tel. Co	113 26	
Noyes & Nutter Mfg. Co., shop supplies	1 00	
Penobscot Machinery Co., special castings, etc.	419 01	
Remington Typewriter Co., office supplies	2 00	
Rice & Miller Co., shop supplies	33 56	
Sawyer Boot & Shoe Co., shop supplies	14 49	
M. A. Sinclair, board of horse	216 00	
William P. Smiley, caretaker of standpipe	24 00	
Snow & Nealley Co., shop supplies	21 32	
Stickney & Babcock Coal Co., coal for shop	44 65	
The Haynes & Chalmers Co., shop supplies	12 22	
The Peavey Mfg. Co., shop supplies	18 00	
The Royal Typewriter Co., office supplies	14 25	
H. B. Thoms, stable supplies	91 00	
Underwood Typewriter Co., office supplies	67 25	
Union Iron Works, special castings, etc	453 77	
Union Stamp Works, rubber stamps for office	3 35	
Utterback-Gleason Co., shop supplies	5 00	
Vacuum Oil Co., shop supplies	14 30	
Walworth Mfg. Co., shop supplies	876 53	
F. S. Webster Co., office supplies	1 00	
Wood & Bishop Co., shop supplies	11 95	
Error in transposition of account No. 267	7 25	
		$ 15,637 34

STREET CONSTRUCTION ACCOUNT

City Treasurer, for pay rolls	$ 4,633 34	
N. H. Bragg & Sons, supplies	14 38	
Builders Iron Foundry, special castings	27 00	
W. I. Brown, paid freight vouchers	9 55	
Arthur Chapin Co., supplies	16 26	
Geo. A. Daley, wood	18 75	
Eddy Valve Co., valves	192 00	
Hincks Coal Co., steam coal	5 44	
Maine Central Railroad Co., freight on pipe	150 34	
National Lead Co., supplies	286 67	
Amounts carried forward	$ 5,353 73	$15,637 34

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Amounts brought forward	$5,353 73	$15,637 34
Rice & Miller Co., dynamite, etc	20 83	
The Haynes & Chalmers Co., dynamite, etc	48 12	
The A. P. Smith Mfg. Co., special castings	127 60	
R. D. Wood & Co., cast iron pipe	5,601 94	
Standard Cast Iron Pipe & Foundry Co., cast iron pipe	675 61	
		$ 11,827 83

PUMPING STATION MAINTENANCE

City Treasurer, for pay rolls	$ 3,905 24	
City Treasurer, Engineer's salary	1,200 00	
Berry & Smith, supplies	50	
N. H. Bragg & Sons, supplies	14 74	
T. F. Cassidy & Son, supplies	3 25	
Arthur Chapin Co., supplies	11 74	
Citizens Ice Co., ice	13 20	
Connor Coal & Wood Co., wood	2 00	
Geo. B. Derby Co., carting	75	
Fred E. Eldridge Co., painting	6 24	
John B. Finn, slating	22 55	
W. H. Gorham Co., painting	61 00	
Hincks Coal Co., coal	1,054 06	
Megquier-Jones Co., supplies	5 14	
Morse & Co., lumber	21 97	
A. R. Kenney, mason work	7 75	
Penobscot Machinery Co., stock and labor	44 70	
W. F. Perry, mason work	21 00	
Quaker City Rubber Co., supplies	1 14	
Rice & Miller Co., supplies	7 44	
M. Schwartz Sons, supplies	220 61	
Snow & Nealley Co., supplies	13 63	
Stickney & Babcock Coal Co., coal	611 72	
Stickney & Babcock Coal Co., wood	15 00	
The Garlock Packing Co., supplies	19 47	
The Haynes & Chalmers Co., supplies	3 91	
Thompson Mfg. Co., cogs	33 27	
Amounts carried forward	$7,322 02	$27,465 17

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Amounts brought forward	$7,322 02	$27,465 17
Union Iron Works, contract installing new boiler	1,647 56	
Union Iron Works, stock and labor	482 14	
Vacuum Oil Co., lubricating supplies	191 22	
Baker & Hodge, insurance Pumping Station buildings	66 88	
P. J. Byrnes, insurance same	66 86	
L. Kirstein & Sons, insurance same	66 88	
W. W. Palmer, insurance same	66 88	
		$ 9,910 44

FILTER PLANT MAINTENANCE

City Treasurer, for pay rolls	$ 2,618 52	
W. I. Brown, paid sundry vouchers	122 25	
Builders Iron Foundry, recording charts	6 14	
J. Bachelder Co., supplies	94	
James M. Caird, for professional services and payment to resident chemist, Alexander Powell, for services	1,545 01	
Citizens Ice Co.	26 50	
Columbia Towel Supply Co.	2 25	
Eastern Cement Co., cement	12 65	
Electrical Department, supplies and labor	78 44	
Fred E. Eldridge Co., painting	11 75	
Eimer & Amend, laboratory supplies	105 82	
Fairbanks Co., labor and stock	2 00	
W. H. Gorham Co., painting	6 50	
J. Frank Green, straw and sand	10 32	
A. R. Hopkins Co., lime	279 00	
New York Continental Jewell Filtration Co., valves	34 50	
Pennsylvania Salt Mfg. Co., sulphate of alumina	4,825 52	
Same, other supplies	23 06	
J. F. Singleton, insurance, Filter Plant bldgs.	94 00	
Amounts carried forward	$9,805 17	$37,375 61

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Amounts brought forward	$9,805 17	$37,375 61
Smith & West, electrical work	7 10	
Henry Stowell & Son, printing	17 60	
The Dole Co., supplies	3 50	
P. H. Vose Co., supplies	75	
		$ 9,834 12

DAM AND PIERS ACCOUNT

City Treasurer, for pay rolls	$ 199 00	
Morse & Co., lumber	68 96	
The Haynes & Chalmers Co., supplies	11 00	
Thos. E. Sullivan, caretaker of fishway	50 00	
		$ 328 96

METER ACCOUNT

City Treasurer, for pay rolls	$ 135 42	
American Express Co	1 65	
National Meter Co., meters and supplies	71 31	
Thomson Meter Co., meter	50 00	
		$ 258 38

INTEREST AND WATER BONDS ACCOUNT

H. O. Pierce, City Treasurer, paid interest on Water Works bonds	$ 22,470 00	
H. O. Pierce, City Treasurer, paid Water Works Improvement Bonds	10,000 00	
		$ 32,470 00

SINKING FUND ACCOUNT

Appropriation to Sinking Fund	$ 12,000 00
	$ 92,267 07
Unexpended balance	11,146 93
	$103,414 00

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RECAPITULATION

Street Maintenance	$ 15,637 34	
Street Construction	11,827 83	
Pumping Station Maintenance	9,910 44	
Filter Plant Maintenance	9,834 12	
Dam and Piers Account	328 96	
Meter Account	258 38	
Interest and Water Bonds	32,470 00	
Sinking Fund	12,000 00	
Unexpended balance	11,146 93	
		$103,414 00

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Report of the Chief Engineer

Bangor, Maine, Mar. 1st, 1914.

To the Bangor Water Board:—

Gentlemen:—I beg to submit the following report:

The amount of water which has been pumped during the past year is as follows:

1913	Gallons
March	119,819,500
April	107,979,300
May	111,964,100
June	116,608,200
July	123,601,500
August	131,451,600
September	114,005,400
October	117,193,900
November	109,203,200
December	115,057,800
1914	
January	144,546,500
February	140,576,600
Total	1,452,007,600

This shows the January and February pumping to average daily practically one million gallons more than the fall months, which indicates much waste. The smallest amount of water pumped in one day was 3,145,325 gallons, April 6th. The largest 6,549,855 gallons February 13th.

The steam pump was used November 22nd, while the flumes were being cleaned, there being considerable bark, dead logs

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and such in them. It was used again December 15th as anchor ice was causing trouble.

In July the Union Iron Works took out the old horizontal tubular boiler and replaced it with a new one, which has been inspected and allowed 150 lbs. pressure and could be used in connection with the water tube boiler if necessary.

In June it was necessary to renew the cogs in the mortised rim on the shafting in electric wheel room, which leads to the centrifugal pumps. In August we replaced a pair of bevel gears on the flume, and removed the cogs in mortised gear in wheel house, which transmits the power to centrifugal pump. On February 13th while pumping at a rate of seven and one-fourth millions to filters; this same gear was stripped and bridge-tree broken, which necessitated using steam to pump to filters while repairs were being made.

In October the Dean power pump was thoroughly overhauled, the valves all taken out, examined, and replaced with new valves and springs where it was deemed necessary.

Other repairs have been only such as are chargeable to ordinary wear and tear of machinery in constant use.

In closing, I wish to thank His Honor, the Mayor, the Water Board, the Superintendent, and all those connected with the department in any way for their many courtesies shown during the year.

Respectfully submitted,

J. W. DOUGHERTY, Chief Engineer.

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REPORT OF
The Chemist and Bacteriologist

TROY, N. Y., March 12th, 1914.

The Honorable, The Bangor Water Board, Bangor, Maine:

GENTLEMEN:—Permit me to submit a review of the operation of the Filter Plant for the year ending February 28th, 1914.

The new filter plant has been in continuous operation since Feb. 6th, 1911 and originally consisted of six filter units, which was increased in 1912, by the equipment of the two blank units, so that at the present time the total sand area is 3,407 sq. ft.

The sand in the filters has an effective size of from .55 to .59 mm. and a uniformity coefficient of 1.25 to 1.74.

The rated capacity of this plant is 8,000,000 gallons per day but this rate can be greatly exceeded for short periods.

There has been no trouble from mechanical causes since this plant was placed in operation.

During extreme cold weather there was a little trouble due to the formation of ice in the back of the beds, but this has been entirely overcome by reducing the head of water on the beds, so that the air may circulate under the filter decks.

The water supply has been obtained from the Penobscot River since 1876, at which time the original pumps were placed in operation.

The Penobscot River has a drainage area of about 7,700 square miles above the water works intake. There is some pollution due to sewage from several localities, waste from the pulp mills and drainage from several farms.

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Table Showing Water Filtered, Bangor, Me.

Year	Filtered		
1909-10	1,392,824,000	gallons	
1910-11	1,453,981,000	"	4.3% inc.
1911-12	1,507,773,000	"	3.7% inc.
1912-13	1,443,578,000	"	4.1% dec.
1913-14	1,505,350,000	"	4.3% inc.

The average amount of water filtered during the past year was about 4,124,000 gallons per day.

Table showing water delivered to consumers, Bangor, Me.

Year	Delivered		
1909-10	1,252,864,000	gallons	
1910-11	1,337,725,000	"	6.7% inc.
1911-12	1,492,563,000	"	11.5% inc.
1912-13	1,387,730,000	"	7.1% dec.
1913-14	1,451,986,000	"	4.6% inc.

The large increase in the consumption during 1911-12, the first year the new filters were in operation, would indicate that the quality of the water was satisfactory to the consumers and was more generally used.

The average amount of water delivered to the consumers was 3,978,000 gallons per day. As the population is about 25,000 it is seen that the per capita consumption is about 159 gallons per day which is excessive.

The general operating results of the plant will be found, by months, in the following table:

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Some idea of the quality of the water may be gained from these results, and it is seen that it is a very difficult water to properly treat.

During the year 3754 filters were washed, an average of 10.2 filters per day. In washing the filters 98,562,580 gallons of water were used or 6.54% of the water filtered. The average amount of water required to wash one filter unit being 26,255 gallons.

The bacterial efficiency of the plant for the past five years is shown in the following table, these results cover a period of two years (1909-11) with the old filters and three years of the new filters. The results show a marked increase in efficiency.

Bacteria removed by	Year 1909–10	Year* 1910–11	Year 1911–12	Year 1912–13	Year† 1913–14
Basins	62.21%	79.00%	82.66%	86.09%	88.14%
Filters	57.47%	53.40%	88.25%	91.24%	88.96%
Plant	85.63%	90.28%	97.97%	98.79%	98.67%
Total River to City Tap	89.86%	90.71%	98.67%	99.01%	98.86%
Removed in Mains	29.50%	00.84%	19.41%	18.75%	12.50%

*Calcium hypo-chlorite used three months during 1910-11.

†Calcium hypo-chlorite used two months during 1913-14.

The average amount of calcium hypo-chlorite used was about 14 pounds per million gallons.

The unfiltered water always contains a high color, very little turbidity and a low alkalinity. The bacterial content varies considerably, the "intestinal bacillus" B. Coli-communis is always present.

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Table showing range in COLOR in parts per million, Unfiltered Water, Bangor, Me.

Color in parts per million	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 yrs. Days
0–20	0.	0.	0.	0.	0.	0.
21–30	0.	0.	0.	0.	0.	0.
31–40	0.	0.	0.	0.	0.	0.
41–50	27.	127.	140.	95.	123.	102.
51–60	43.	180.	148.	130.	152.	131.
61–70	150.	57.	63.	41.	32.	69.
71–80	72.	0.	14.	52.	15.	31.
Over 80	71.	0.	1.	48.	43.	33.

The color of the unfiltered water was above 80 parts per million on 43 days or 11.7% of the time.

Table showing COLOR, in parts per million, Unfiltered Water Bangor, Me.

Year	Maximum	Minimum	Average
1909-10	145.0	45.0	71.0
1910-11	80.0	45.0	55.7
1911-12	88.0	45.0	56.0
1912-13	135.0	45.0	66.0
1913-14	120.0	45.0	59.7
Avg. 5 yrs	117.6	45.0	61.7

The average color of the unfiltered water was 9.55% less than in the previous year, while the minimum color has never been below 45 parts per million during the past five years.

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Table showing range in TURBIDITY in parts per million, Unfiltered Water, Bangor, Me.

Turbidity parts per million	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 yrs. Days
0–0	129.	329.	296.	290.	322.	273.
1–5	203.	33.	63.	58.	35.	78.
6–10	17.	1.	6.	11.	5.	8.
11–15	6.	0.	0.	1.	3.	2.
16–20	1.	0.	1.	1.	0.	1.
21–25	2.	1.	0.	0.	0.	1.
26–30	3.	0.	0.	0.	0.	1.
31–40	0.	1.	0.	0.	0.	0.
41–50	2.	0.	0.	0.	0.	1.
Over 50	0.	0.	0.	0.	0.	0.

During the past year the unfiltered water was free from turbidity on 322 days or 88.2% of the time.

Table showing TURBIDITY, in parts per million, Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	50.0	0.0	2.39
1910–11	40.0	0.0	.37
1911–12	19.0	0.0	.68
1912–13	20.0	0.0	.89
1913–14	15.0	0.0	.44
Avg. 5 yrs	28.8	0.0	.96

The maximum turbidity of the unfiltered water has not exceeded 50 parts per million, during the past five years, while the average has been less than 1 part per million.

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Table showing range in ALKALINITY, in parts per million, Unfiltered Water, Bangor, Me.

Alkalinity parts per million	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 yrs. Days
0–5	5.	0.	0.	0.	0.	1.
6–10	305.	195.	82.	117.	182.	176.
11–15	54.	162.	250.	247.	183.	179.
16–20	0.	8.	32.	0.	0.	8.
Over 20	0.	0.	1.	0.	0.	1.

The alkalinity of the unfiltered water was 10 parts per million or less on 182 days or 49.9% of the time. The alkalinity was below 16 parts per million during the entire year.

Table showing ALKALINITY, in parts per million, Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	14.0	4.0	8.8
1910–11	17.0	8.0	11.4
1911–12	21.0	6.0	12.5
1912–13	15.0	7.0	11.3
1913–14	15.0	8.0	10.9
Avg. 5 yrs	16.4	6.6	10.9

The average alkalinity of the unfiltered water was 8.4% less than during the previous year.

Owing to the low alkalinity of the unfiltered water it is necessary to add lime in order to get proper coagulation.

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Table showing range of BACTERIA, per c. c., Unfiltered Water, Bangor, Me.

Bacteria per c. c.	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 yrs. Days
0–25	0.	0.	0.	0.	0.	0.
26–50	0.	0.	0.	0.	0.	0.
51–75	0.	0.	0.	0.	0.	0.
76–100	2.	0.	0.	0.	0.	1.
101–250	29.	1.	0.	0.	0.	6.
251–500	106.	1.	0.	0.	0.	21.
501–1000	60.	17.	0.	0.	1.	16.
1001–2500	64.	193.	149.	209.	169.	157.
2501–5000	50.	150.	184.	143.	165.	138.
5001–10000	18.	3.	27.	11.	27.	17.
10001–15000	6.	0.	4.	0.	2.	2.
Over 15000	1.	0.	0.	0.	0.	1.

The bacteria per c. c. in the unfiltered water were above 10,000 on 2 days during the entire year and below 1001 on one day only.

Table showing BACTERIA, per c. c., Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	15,750.	86.	1,725.
1910–11	6,050.	150.	2,452.
1911–12	11,600.	1,400.	3,286.
1912–13	7,800.	1,000.	2,624.
1913–14	11,000.	1,000.	3,051.
Avg. 5 yrs	10,440.	727.	2,573.

The maximum number of bacteria in the unfiltered water was 41.0% greater than during the previous year, while the average was 16.2% greater.

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Mineral Analysis of Raw Water

Date	Total Solids	Loss on Ignition	Mineral Residue	Silicon	Aluminum	Calcium	Magnesium	Sulphates	Iron
1913									
March	62	37	25	1.47	.89	6.30	3.17	7.18	.10
April	56	33	23	2.27	1.65	4.88	1.40	9.51	.15
May	57	38	19	1.94	1.37	6.51	1.89	5.04	.10
June	49	34	15	2.12	1.37	3.80	1.00	3.67	.10
July	66	43	23	1.61	.71	5.66	3.06	7.36	.20
August	62	38	24	1.80	1.81	8.81	3.93	7.48	.15
Sept.	68	46	22	1.18	1.81	6.09	3.73	7.37	.15
Oct	74	49	25	1.65	.91	6.01	4.03	6.22	.15
Nov.	67	44	23	1.47	.86	5.09	1.92	9.57	.15
Dec.	66	39	27	1.00	1.06	4.87	1.75	6.13	.15
1914									
Jan.	62	36	26	1.18	.85	6.16	2.09	3.85	.15
Feb.	63	43	20	1.42	1.21	5.80	1.03	4.74	.10
Avg.	62.6	40.0	22.6	1.59	1.20	5.83	2.41	6.50	.13
1909–10	52.91	30.25	22.66	2.11	.71	4.61	1.72	3.41	.53
1910–11	65.66	41.25	24.33	2.17	1.32	5.49	2.80	6.61	.21
1911–12	68.33	45.08	23.25	1.89	.96	6.37	2.56	8.44	.17
1912–13	62.50	42.33	20.17	1.77	1.07	5.45	2.65	9.26	.16
1913–14	62.60	40.00	22.60	1.59	1.20	5.83	2.41	6.50	.13

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Table showing tests for B. COLI-COMMUNIS, in 1 c. c. samples, Unfiltered Water, Bangor, Me.

Year	Samples examined	Positive	Percent positive
1909–10	1042.	644.	61.9%
1910–11	1041.	795.	76.4%
1911–12	1045.	921.	88.1%
1912–13	1002.	862.	86.0%
1913–14	1056.	921.	87.2%
Avg. 5 yrs	1037.	829.	79.9%

B. Coli-communis was present in 1.3% more of the samples of the unfiltered water than during the previous year.

The results seem to indicate that the pollution in the river is increasing.

A mineral analysis is made every month, the results show a slight increase in the mineral content of the unfiltered water.

A complete sanitary examination of the unfiltered water is made every week, the results averaged by months will be found in the following tables:

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It is to be noted that the chlorine and albuminoid ammonia content shows an increase.

The unfiltered water is pumped to the coagulation basin, which has two compartments, the combined capacity being 1,500,000 gallons.

Before the water enters the basins, the coagulants, sulphate of alumina and lime water are added. The addition of the lime water is necessary owing to the low alkalinity of the unfiltered water.

The sulphate of alumina is purchased on specifications, the requirements being as follows:

Alumina (Al_2O_3) not less than	17.50%
Acid (SO_3) not more than	37.50%
Iron (Fe_2O_3) not more than	.40%
Water (H_2O) not more than	47.00%
Insoluble matter, not more than	.25%

It is understood that if the Alumina (Al_2O_3) is over 17.50% the Sulphates (SO_3) and Iron (Fe_2O_3) may be increased in proportion.

If the results of the analyses show the Alumina (Al_2O_3) to be below 17.5% and above 17.0% a deduction of eight cents per hundred pounds shall be made. If the Alumina (Al_2O_3) is below 17.0% and above 16.5% a deduction of fifteen cents per hundred pounds shall be made.

For each 25% or fraction thereof of Iron (Fe_2O_3) above .40% a reduction of five cents per hundred pounds shall be made.

The sulphate of alumina shall not contain any free acid.

Table showing the percentage Composition of the various

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shipments of sulphate of alumina used during the year, Bangor, Me.

Date 1913	Alumina (Al_2O_3)	Iron (Fe_2O_3)	Acid (SO_3)	Water (H_2O)	Insoluble
April.....	18.02%	.32%	40.93%	40.68%	.05%
May.....	17.52%	.28%	40.40%	41.71%	.09%
June.....	17.82%	.28%	40.25%	41.57%	.08%
July.....	17.50%	.24%	40.37%	41.76%	.13%
August.....	17.92%	.39%	41.09%	40.52%	.08%
September....	17.77%	.39%	40.19%	41.55%	.10%
November....	18.11%	.42%	40.44%	40.92%	.11%
December....	17.78%	.42%	40.63%	41.08%	.09%
Jan., 1914....	17.92%	.53%	39.70%	41.75%	.10%
February.....	17.82%	.39%	40.00%	41.65%	.14%
Average..	17.82%	.37%	40.40%	41.32%	.09%

The above sulphate of alumina was furnished by the Pennsylvania Salt Mfg. Co., Philadelphia, Penna.

Table showing the average composition of sulphate of alumina used, Bangor, Me.

Year	Alumnia	Iron	Acid	Water	Insoluble
1909-10.....	16.96%	1.98%	39.50%	41.18%	.10%
1910-11.....	18.18%	.82%	39.30%	41.06%	.09%
1911-12.....	17.75%	.32%	40.19%	41.36%	.16%
1912-13.....	18.49%	.37%	40.83%	40.97%	.10%
1913-14.....	17.82%	.37%	40.40%	41.32%	.09%

Since the sulphate of alumina has been purchased on specifications the composition has been more uniform and the salt has contained a high amount of alumina and small amount of iron.

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Table showing average amount of sulphate of alumina and lime used, in grains per gallon, Bangor, Me.

Year	Alumina	Lime
1909–10	1.57	.31
1910–11	1.43	.23
1911–12	2.03	.17
1912–13	2.05	.14
1913–14	1.95	.18

During the past year the average amount of sulphate of alumina used decreased .10 grains per gallon, equal to about 14 pounds per million gallons.

The average amount of lime used increased .04 grains per gallon an increase of about 5.6 pounds per million gallons.

The coagulation basins remove a large percentage of the bacteria, and are of great value to the plant.

Table showing bacteria removed by coagulation basins, Bangor, Me.

Year	Removed
1909–10	66.21%
1910–11	79.04%
1911–12	82.66%
1912–13	88.64%
1913–14	88.14%

Mixing baffles were installed in 1911, after which the efficiency of the basins improved.

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Table showing range of BACTERIA per c. c., coagulated water, Bangor, Me.

Bacteria per c. c.	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 yrs. Days
0–25	33.	0.	0.	0.	0.	6.
26–50	26.	0.	0.	0.	0.	5.
51–75	22.	1.	0.	0.	0.	5.
76–100	17.	24.	0.	2.	1.	9.
101–250	62.	78.	20.	129.	110.	80.
251–500	69.	114.	186.	168.	201.	148.
501–1000	51.	118.	111.	54.	44.	76.
1001–2500	47.	25.	17.	9.	9.	21.
2501–5000	10.	2.	2.	0.	0.	3.
Over 5000	3.	0.	0.	0.	0.	1.

The water passing the coagulation basin contained less than 1001 bacteria per c. c. on 356 days or 97.6% of the time.

During two months of the past year calcium hypo-chlorite was added to the water before it entered the coagulation basins, the average amount used being .10 grains per gallon or 14 pounds per million gallons.

Table showing BACTERIA, per c. c. in the water after passing the coagulation basins, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	5,700.	4.	583.
1910–11	3,100.	75.	515.
1911–12	5,000.	185.	570.
1912–13	1,300.	100.	365.
1913–14	1,400.	100.	362.
Avg. 5 yrs.	3,300.	93.	479.

The average number of bacteria per c. c. passing the basins was about the same as in the previous year, notwithstanding the bacteria increased 16.2% in the untreated water.

The new Filter Plant still continues to produce satisfactory water and has given no trouble in operation.

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A mineral analysis of the filtered water is made every month the results of which will be found in the following table:

A sanitary analysis of the filtered water is made every week, the average results will be found in the following sheet:

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Mineral Analysis of Filtered Water

Date	Total Solids	Loss on Ignition	Mineral Residue	Silicon	Aluminum	Calcium	Magnesium	Sulphates	Iron
1913									
March	62	30	32	1.42	1.19	7.01	1.67	25.04	.05
April	56	24	32	1.89	1.74	6.88	1.76	23.50	.10
May	52	23	29	1.23	1.56	7.73	2.59	22.90	.05
June	51	23	28	.90	1.56	5.80	.89	19.06	.05
July	58	28	30	.58	.84	7.52	2.18	22.91	.10
August	55	22	33	1.52	2.01	11.52	3.37	22.45	.10
Sept.	62	27	35	.71	1.16	8.51	2.70	23.09	.10
Oct.	73	40	33	1.09	.68	8.30	3.34	22.02	.10
Nov.	70	40	30	1.23	1.10	6.59	1.67	27.84	.10
Dec.	66	32	34	1.39	1.16	7.87	1.62	22.43	.10
1914									
Jan.	68	28	40	1.47	.84	7.59	1.89	22.60	.10
Feb.	65	34	31	1.65	1.40	7.73	.93	21.36	.05
Avg.	61.50	29.20	32.30	1.25	1.27	7.75	2.05	22.93	.08
1909–10	57.91	24.66	32.83	1.82	2.66	6.21	1.98	18.93	.25
1910–11	69.25	40.83	28.41	1.82	2.27	6.15	2.27	19.46	.16
1911–12	69.16	35.83	33.33	1.69	.96	7.64	3.50	26.93	.10
1912–13	63.25	31.25	32.00	1.38	1.30	6.48	2.40	25.97	.10
1913–14	61.50	29.20	32.30	1.25	1.27	7.75	2.05	22.93	.08

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These results show that the iron in the filtered water is .08 parts per million, which is 38.5% less than in the filtered water.

This amount of iron supports a growth of crenothrix in the mains and it is necessary to flush the mains at frequent intervals in order to maintain a water that is satisfactory in appearance.

The method of operation will be slightly changed during the coming year and an attempt will be made to reduce the amount of iron in the filtered water to a greater extent.

Compared with the previous year, there is an increase in the chlorine, albuminoid ammonia and carbonic acid contents.

Carbonic acid is also favorable to the growth of crenothrix.

The improved quality of the filtered water is best seen by a study of the results in detail.

Table showing range in ALKALINITY, in parts per million, Filtered Water, Bangor, Me.

Alkalinity parts per million	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 yrs. Days
0–5	358.	291.	331.	365.	362.	341.
6–10	6.	73.	34.	0.	3.	23.
11–15	0.	1.	0.	0.	0.	1.
Over 15	0.	0.	0.	0.	0.	0.

The alkalinity of the filtered water was below 6 parts per million on 362 days or 99.4% of the time.

The alkalinity of the filtered water is never allowed to fall below 3 parts per million.

During the coming year the alkalinity of the filtered water will be maintained a little higher than in the past.

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Table showing ALKALINITY, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	7.0	1.0	3.1
1910–11	12.0	3.0	4.6
1911–12	9.0	3.0	4.1
1912–13	5.0	3.0	3.5
1913–14	6.0	3.0	3.7
Avg. 5 yrs	7.8	2.6	3.8

It has been necessary to add lime water during the entire year in order to maintain an alkalinity in the filtered water.

Table showing range in TURBIDITY, in parts per million, Filtered Water, Bangor, Me.

Turbidity parts per million	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 Yrs. Days
0–0	163.	359.	351.	365.	365.	301.
1–5	200.	106.	15.	0.	0.	64.
6–10	2.	0.	0.	0.	0.	1.
Over 10	0.	0.	0.	0.	0.	0.

During the two past years the filtered water has been entirely free from turbidity.

Table showing Turbidity, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	6.00	0.00	1.01
1910–11	1.00	0.00	.29
1911–12	1.00	0.00	.03
1912–13	0.00	0.00	.00
1913–14	0.00	0.00	.00
Avg. 5 yrs	.40	0.00	.26

The turbidity in the filtered water was due to aluminum hydrate passing through the old filters, since the new filters have been in operation it has been impossible to detect any

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aluminum in the filtered water when using the logwood and also the boiling test.

Table showing range in COLOR, in parts per million, Filtered Water, Bangor, Me.

Color in parts per million	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 yrs. Days
0–20	46.	259.	364.	365.	365.	240.
21–30	175.	34.	1.	0.	0.	42.
31–40	66.	43.	1.	0.	0.	22.
41–50	41.	28.	0.	0.	0.	14.
51–60	26.	1.	0.	0.	0.	5.
Over 60	9.	0.	0.	0.	0.	2.

During the two past years the color of the filtered water has been below 20 parts per million during the entire time.

The color of the unfiltered water was 9.55% less than during the previous year while the color of the filtered water was 11.2% less than during the previous year.

Table showing COLOR, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	70.0	4.0	32.0
1910–11	53.0	5.0	20.0
1911–12	31.0	1.0	7.3
1912–13	15.0	4.0	7.2
1913–14	17.0	4.0	6.4
Avg. 5 yrs	37.2	3.6	14.8

While the maximum color of the filtered water was 13.3% greater than during the previous year, the average was 11.2% less.

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Table showing range in BACTERIA, per c. c., Filtered Water, Bangor, Me.

Bacteria per c. c.	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 yrs. Days
0–25	101.	26.	28.	164.	104.	84.
26–50	30.	33.	171.	157.	159.	110.
51–75	21.	11.	89.	26.	75.	44.
76–100	20.	5.	28.	15.	21.	18.
101–250	70.	144.	41.	1.	5.	52.
251–500	55.	105.	10.	0.	0.	34.
500–1000	31.	24.	0.	0.	0.	11.
Over 1000	18.	7.	0.	0.	0.	5.

The bacteria in the filtered water were less than 101 per c. c. on 359 days or 98.4% of the time and below 26 per c. c. on 104 days or 28.5% of the time.

The basins and filters removed 98.69% of the bacteria.

Table showing BACTERIA per c. c., Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	3,060.	2.	248.
1910–11	1,500.	10.	240.
1911–12	390.	18.	67.
1912–13	120.	10.	32.
1913–14	125.	5.	40.

The average number of bacteria per c. c. in the filtered water were 25% greater than during the previous year.

Table showing tests for B. COLI-COMMUNIS, in 1 c. c. samples, Filtered Water, Bangor, Me.

Year	Samples examined	Positive	Percent positive
1909–10	1042.	76.	7.29%
1910–11	1050.	85.	8.09%
1911–12	1051.	22.	2.09%
1912–13	1005.	9.	.89%
1913–14	1056.	12.	1.13%
Avg. 5 yrs	1041.	41.	3.93%

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B. Coli-communis was present in 1.13% of the 1 c. c. samples examined during the past year.

Daily bacteriological examinations are made of the water drawn from a tap in the City.

Once a week a complete sanitary examination and monthly mineral analyses are also made.

The results of the mineral analyses and the monthly averages of the sanitary examinations will be found in the following tables:

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Table showing range in TURBIDITY, in parts per million, tap water, Bangor, Me.

Turbidity parts per million	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 yrs. Days
0–0	243.	364.	366.	365.	365.	341.
1–5	111.	1.	0.	0.	0.	22.

There has been no turbidity in the tap water since the new filters were placed in operation, previous to that time there was some turbidity due to aluminum hydrate passing through the old filters.

Table showing TURBIDITY, in parts per million, tap water, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	5.0	0.0	0.15
1910–11	1.0	0.0	0.00
1911–12	0.0	0.0	0.00
1912–13	0.0	0.0	0.00
1913–14	0.0	0.0	0.00
Avg. 5 yrs.	1.2	0.0	0.03

Table showing range in COLOR, in parts per million, tap water, Bangor, Me.

Color parts per million	Year 1909–10 Days	Year 1910–11 Days	Year 1911–12 Days	Year 1912–13 Days	Year 1913–14 Days	Avg. 5 yrs. Days
0–20	33.	247.	364.	363.	365.	274.
21–30	145.	52.	2.	1.	0.	40.
31–40	94.	42.	0.	0.	0.	27.
Over 40	31.	0.	0.	0.	0.	6.

During the past year the color of the tap water was below 20 parts per million on 365 days or 100% of the time.

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Table showing COLOR, in parts per million, tap water, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	100.*	4.	35.0
1910–11	50.	9.	21.0
1911–12	22.	3.	7.3
1912–13	22.	4.	7.5
1913–14	15.	4.	6.6
Avg. 5 yrs	42.	5.	15.5

*High color due to flushing mains.

The average color of the city tap water was 12% less than during the previous year.

Table showing range in BACTERIA, per c. c. tap water, Bangor, Me.

Bacteria per c. c.	Year 1909–10	Year 1910–11	Year 1911–12	Year 1912–13	Year 1913–14	Avg. 5 yrs.
	Days	Days	Days	Days	Days	Days
0–25	128.	30.	79.	213.	128.	116.
26–50	32.	41.	174.	128.	164.	108.
51–75	21.	4.	62.	13.	54.	31.
76–100	17.	54.	16.	7.	16.	22.
101–250	74.	104.	18.	0.	1.	41.
251–500	39.	98.	11.	0.	0.	30.
501–1000	19.	24.	0.	0.	0.	8.
Over 1000	10.	8.	0.	0.	0.	4.

The bacteria in the tap water were less than 101 per c. c. on 362 days or 99.1% of the time, and less than 51 per c. c. on 272 days or 74.5% of the time.

Table showing BACTERIA, per c. c. tap water, Bangor, Me.

Year	Maximum	Minimum	Average
1909–10	1,970.	1.	175.
1910–11	1,400.	10.	238.
1911–12	500.	10.	54.
1912–13	100.	6.	26.
1913–14	110.	4.	35.
Avg. 5 yrs	816.	6.	106.

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The bacteria decrease in passing through the mains.

Table showing decrease in bacteria in passing mains, Bangor, Me.

Year	Percent decrease
1909–10	29.50%
1910–11	00.84%
1911–12	19.41%
1912–13	18.75%
1913–14	12.50%
Average 5 yrs	16.20%

Table showing tests for B. COLI-COMMUNIS, 1 c. c. samples, tap water, Bangor, Me.

Year	Samples examined	Positive	Percent positive
1909–10	1040.	16.	1.53%
1910–11	1047.	37.	3.53%
1911–12	1048.	5.	.47%
1912–13	1005.	1.	.09%
1913–14	1056.	3.	.28%
Avg. 5 yrs	1039.	13.	1.24%

The B. Coli-communis is also reduced in passing through the mains.

Table showing reduction in B. COLI-COMMUNIS, in passing mains, Bangor, Me.

	Percent removed
1909–10	78.7%
1910–11	56.3%
1911–12	77.5%
1912–13	89.9%
1913–14	75.2%
Avg. 5 yrs	75.5%

The reduction in B. Coli-communis is greater than that of the general bacteria.

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The results, in detail, of the weekly sanitary examinations of the unfiltered, filtered and city tap water will be found annexed.

The old concrete sulphate of alumina tanks have been relined and make a duplicate system available in case of accident.

The operation of the plant is in charge of Mr. A. C. Powell, resident chemist and bacteriologist.

During the year a 10,000,000 gallon low lift filter supply pump should be installed. The present pumps have been in operation about 19 years and were not designed to discharge water to the elevation of the coagulation basins, therefore, at times it is not possible to obtain sufficient water to supply the city and wash water for the filters.

The new pump should be designed to deliver 10,000,000 gallons against a total head of 30 feet, and be equipped so that it could be operated by three powers, i. e. water, steam and electricity and in this case it would seem impossible to have any interruption in service.

At a future date it would be well to install meters on the force mains leaving the pumping station, in this way it would be possible to learn the efficiency of the various pumps at all times.

The water that is delivered to the filters is measured, but the water delivered to the city is not.

Bangor is the only city for some miles which has good hospital facilities, therefore a large number of typhoid fever cases are brought in from the surrounding country, and add to the typhoid fever death rate.

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Table showing total deaths from typhoid fever, death rate per 100,000 population, and deaths from imported cases, Bangor, Me.

Year	Total	Rate	Imported	City
1892	21.	109.9	2.	19.
1893	12.	62.8	3.	9.
1894	25.	130.9	1.	24.
1895	13.	68.1	1.	11.
1896	8.	38.6	1.	7.
1897	8.	38.0	0.	8.
1898	7.	32.9	2.	5.
1899	15.	69.5	1.	14.
1900	4.	18.3	3.	1.
1901	24.	108.5	3.	21.
1902	7.	31.2	missing	7.
1903	10.	44.1	7.	3.
1904	39.	169.9	3.	36.
1905	17.	73.2	4.	13.
1906	10.	42.6	5.	5.
1907	7.	29.4	5.	2.
1908	7.	29.0	3.	4.
1909	9.	27.0	6.	3.
1910	8.	23.3	6.	2.
1911	21.	83.7	10.	11.
1912	7.	27.5	5.	2.
	279.	60.7	72.	202.

These figures show that the average typhoid fever death rate per 100,000 during 21 years was 60.7, the total number of deaths being 279 and that 72 or 25.8% of this death rate was due to imported cases.

During the year 1904 there was a typhoid fever epidemic due to typhoid fever at Millinocket, 84 miles above, on the river. In this year there were 39 deaths in Bangor, only three of which were imported. Up to this time the filter plant had been operated without any coagulants.

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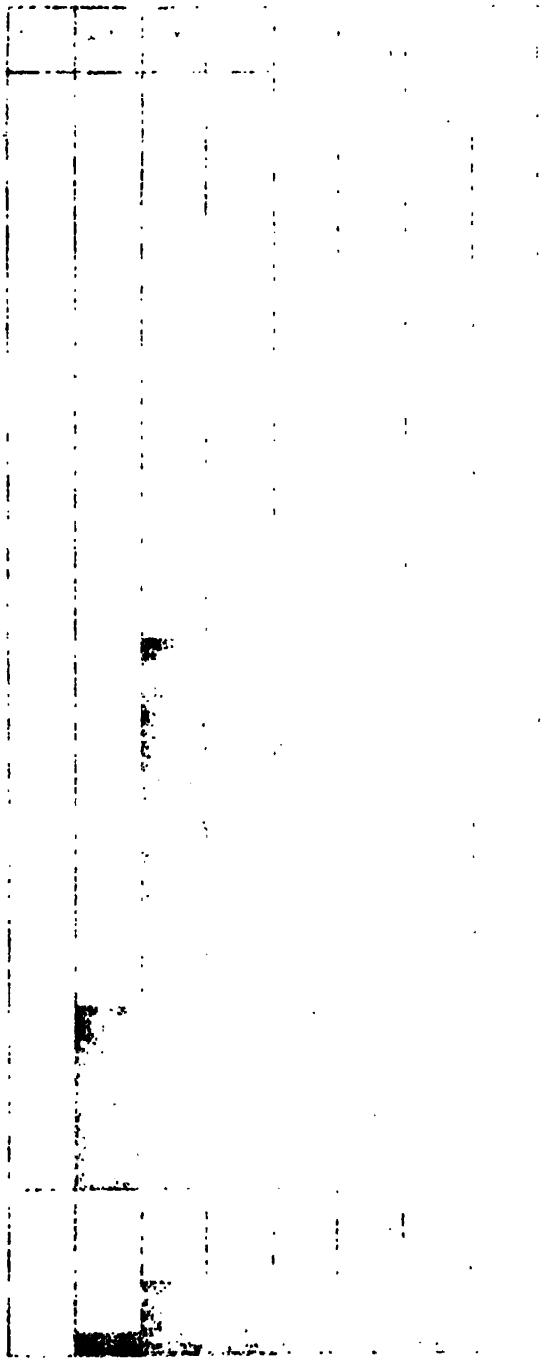

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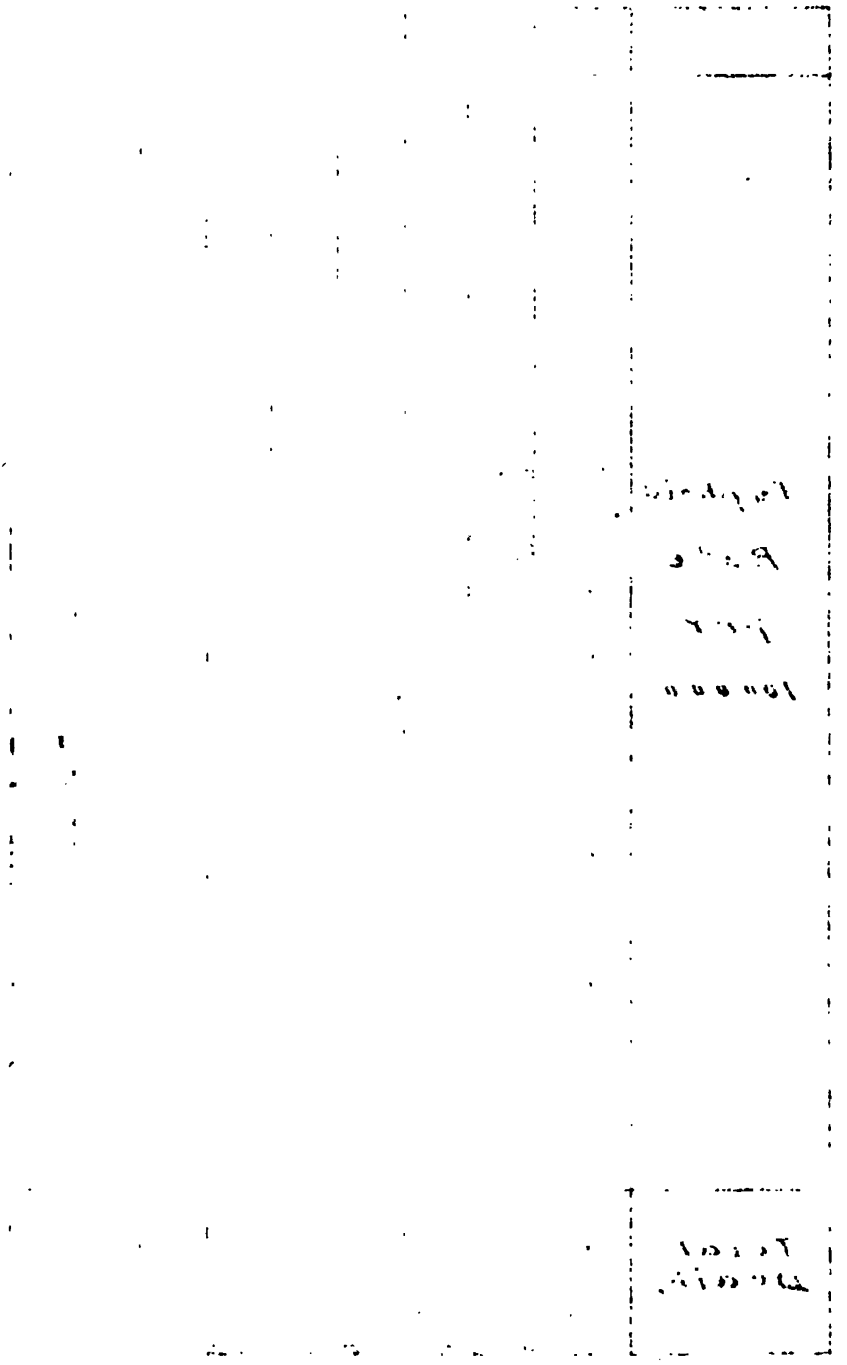

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During the year 1909, there were 42 cases of typhoid fever, all of which claimed to have used the water from the well at Longfellow School. When this well was closed the typhoid ceased.

The original filter plant was installed in 1896 and operated without any coagulants until late in 1905.

For the five years (1892-1896) there were a total of 79 deaths from typhoid fever, 9 or 11.4% were imported. The average total deaths for that period were 15.8, imported 1.8, local 14.0

The original Warren filters were installed in 1896, and operated for 9 years without any coagulants.

For the nine years (1897-1905) there were a total of 131 deaths from typhoid fever, 23 or 17.5% were imported. The average total deaths for that period was 14.6, imported 2.6, local 12.0.

A coagulant was first used in connection with the filters late in 1905, before the settling basins were installed.

For the three years (1906-1908) there were a total of 24 deaths from typhoid fever 13 or 54.2% were imported. The average total deaths for that period was 8.0, imported 4.3, local 3.7.

The coagulation basin was placed in operation in 1908 and operated two years before the new filters were installed.

For the two years (1909-1910) there were a total of 17 deaths from typhoid fever, 12 or 70.6% were imported. The average total was 8.5, imported 6.0, local 2.5.

The results are only available for two years since the new filter plant was installed.

For the two years (1911-1912) there was a total of 28 deaths from typhoid fever, 15 or 53.5% were imported. The average total was 14, imported 7.5, local 6.5.

The improvement to the water supply began when the coagulant was used in 1905.

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For the fourteen years before the coagulant was used there were a total of 210 deaths from typhoid fever, 32 of which were due to imported cases, leaving 178 of local origin. The average for this period is total 14.9, imported 2.3 local 12.6.

For the seven years that the coagulant has been used there were a total of 69 deaths from typhoid fever, 40 of which were due to imported cases, leaving 29 of local origin. The average for this period is, total 9.8, imported 5.7, local 4.1.

Since the coagulant has been used in connection with the filters there has been a reduction of 67.5% in the local deaths from typhoid fever, this does not take into consideration the increase in population during that period.

It is not the intention to convey the idea that the water was the cause of the typhoid fever, there are many other means of contracting the disease. A pure water can only prevent that typhoid which was formerly due to impure water.

Permit me to express my appreciation of the interest taken by the members of the Water Board in all matters which have been considered.

The numerous courtesies extended by all of the employees of the department has been greatly appreciated.

Respectfully submitted,

JAMES M. CAIRD.

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Location of Fire Hydrants and Nominal Pressure

("M," Matthews, made by R. D. Wood & Co.)
("H," Holly, made by Holly Mfg. Company.)

	Pressure in pounds	Make
Adams, corner York street	80	H
Allen street, 600 ft. north of Hammond	48	H
Allen and Fourteenth streets	50	M
At the Works, State street	120	H
Barker street, corner First street	80	M
Birch, corner State street	80	H
Birch, between State and Garland streets,	75	H
Birch, between Garland and Mt. Hope Avenue	73	H
Birch, corner Mt. Hope Avenue	60	H
Blackstone, corner Fountain street	68	M
Blackstone street, 200 ft. west of Center street	65	M
Boyd, corner York street	83	H
Broadway, corner French street	55	M
Broadway, corner State street	80	H
Broadway, corner Penobscot street	78	H
Broadway and Somerset streets	70	H
Broadway, corner Cumberland street	68	H
Broadway, corner Garland street	70	H
Broadway, opposite Congress street	75	H
Broadway, near the "Hathorn Garage"	60	H
Broad, corner Union street	110	H
Buck and Main	90	M
Buck street, near M. C. R. R. tracks	90	H
Catell and Hubbard streets	88	M
Cedar, corner First street	88	H

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	Pressure in pounds	Make
Cedar, corner Second street	78	H
Cedar, corner Third street	73	H
Cedar, corner Fourth street	65	H
Cedar, corner West Broadway	40	H
Center, corner Somerset street	80	H
Center, corner Cumberland street	80	H
Center, corner Garland street	80	H
Center, opposite Jefferson street	78	H
Center, opposite Madison	70	H
Center, opposite Congress street	65	H
Center, opposite Montgomery street	55	H
Center, 600 ft. north of Montgomery	50	M
Center, corner Linden street	50	M
Center, corner Poplar street	50	M
Central street, west of bridge	110	H
Central street, east of bridge	110	H
City stables and County Buildings	105	M
City Almshouse, Main street, (in the yard)	90	H
Columbia, opposite Cross street	100	H
Cottage, corner Union street	45	H
Cottage, between Ohio and Union streets	38	H
Court, corner Hammond street	90	H
Court, near Clark street	88	H
Court, corner Boynton street	78	H
Court, near T. U. Coe's residence	75	H
Dean, corner Fourteenth street	43	M
Dillingham street, 600 ft. north of Main street	70	H
Dutton street, opposite Noyes & Nutter's foundry	90	H
Dutton street, near M. C. R. R. tracks	93	M
East Market Square, corner State street	105	H
East Summer, corner Hancock street	93	H
Ea. Market Square	108	H
East street, corner Webster avenue	53	M
E. M. General Hospital (in yard)	95	M
Eastern Maine Insane Hospital	73	M
Elm street, north of Mt. Hope avenue	70	M
Elm street, (east side) between Somcret and Garland	65	M

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	Pressure in pounds	Make
Elm, corner Garland street	68	H
Elm street, corner Stillwater avenue	70	M
Elm street, near Mt. Hope avenue	68	H
Elm, corner Milford street	68	H
Emerson, 475 ft. from Main street	95	M
Essex, opposite Penobscot street	65	H
Essex, corner Somerset street	60	H
Essex, corner Cumberland street	63	H
Essex, corner Garland street	63	H
Essex street, 400 ft. north of Garland street	70	H
Essex street, 800 ft. north of Garland street	75	H
Essex street, corner Stillwater avenue	75	H
Essex street, opposite Milford street	68	H
Essex street extension	63	M
Everett, corner Bower street	70	H
Exchange, between Hancock and Washington streets	115	H
Essex, corner York street	85	H
Fern street, between State and Garland streets	75	H
Fern street, corner Garland street	72	H
Fern street, between Garland and Mt. Hope Avenue	80	M
Fifteenth street, 500 ft. west of Ohio street	58	H
Fifth street, between Cedar and Warren streets	60	H
Fifth street, corner Warren street	70	H
First, corner Davis street	85	H
Forest avenue, corner State street	70	H
Forest avenue, corner Somerset street	65	H
Forest avenue, corner Coombs street	63	H
Forest avenue, north of Garland street	60	H
Forest avenue, corner Mt. Hope avenue	63	H
Forest avenue, corner of Stillwater avenue	60	H
Fourth, between Cedar and Warren streets	70	H
Franklin, corner Hammond street	108	H
Franklin street, East side	110	H
Fremont street, near house No. 44 (north side)	70	M
French and Congress streets	65	M
French, 500 ft. north of Congress street	60	M
French street, corner West Park street	75	M

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	Presure in pounds	Make
French, corner State street	90	H
French, corner Penobscot street	73	H
French, corner Somerset street	70	H
French, corner Cumberland street	73	H
French, corner Garland street	70	H
French and Washington street	110	M
Front, opposite May street	110	H
Fruit, between State and Garland streets	85	H
Fruit street, 500 ft. north of Garland street	75	H
Fourteenth, corner Hammond street	43	M
Fifth, corner Cedar street	55	M
Front street, at Eastern S. S. Co's wharf	110	M
French, corner South Park street	80	M
Garland and Howard streets	75	M
Garland street, opposite Maple street	70	H
Grant street, (east side)	50	M
Grant street, corner Montgomery street	50	M
Grove street, corner Garland street	60	M
Gridley street, off Newbury street	80	H
Grove street, between State and Somerset streets	55	H
Grove street, between State and Garland streets	65	H
Grove street, between Garland and Stillwater avenue	70	H
Grove street, corner Stillwater avenue	73	M
Hammond, opposite Fifth street	55	M
Hammond, corner Cedar street	50	H
Hammond, opposite Seventh street	50	M
Hammond, corner Webster avenue	45	H
Hammond, opposite Thirteenth street	48	M
Hammond, near West street	48	M
Hammond, near Kimball residence	40	M
Hancock, corner Newbury street	105	H
Hancock, corner Boyd street	110	H
Hancock, corner Carr street	105	H
Hancock, corner Essex street	100	H
Hancock, corner Oak street	98	H
Hancock, corner Exchange street	115	H
Hancock and Birch street	90	M

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	Pressure in pounds	Make
Harlow, near Haynes court	100	M
Harlow, corner Kenduskeage avenue	105	H
Harlow, corner Cumberland street	105	H
Haymarket square	105	H
Haynes court	110	H
Hellier, corner Parker street	95	H
Highland avenue, opposite Charles street	43	H
Highland Lane	45	M
High street, near Burpee residence	78	H
Highland street, near Standpipe	20	H
Highland street and Highland Avenue	23	M
Hogan Road and E. M. I. Hospital Road	75	M
Hogan Road, 800 ft. from State	85	M
Holland street, 500 feet west of Valley avenue	75	H
Holland street, corner Valley avenue	100	H
Howard, corner State street	85	H
Harlow, corner Center street	108	H
James street, corner Highland avenue	30	H
Jefferson, corner Norfolk street	73	H
Kenduskeag avenue, opposite Division street	83	H
Kenduskeag avenue, opposite Jefferson street	78	H
Kenduskeag avenue, corner Madison street	74	H
Kenduskeag avenue, corner Congress street	63	H
Kenduskeag avenue, corner Montgomery street	55	H
Kenduskeag avenue, near John Scott's residence	50	M
Kenduskeag bridge, State street	110	H
Kenduskeag bridge, Hammond street	115	H
Larkin and Third	70	M
Larkin street, near Rio street	75	H
Leighton, corner Montgomery street	45	H
Leighton, near Otto Nelson's residence	45	H
Leighton, corner Poplar street	48	M
Lincoln street, 500 ft. from Main street	78	H
Lincoln street, corner Third street	73	H
Linden, corner Leighton street	45	M
Madison, corner Norfolk street	63	H
Main street, at B. R. & E. Co's car barn	95	M

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	Pressure in pounds	Make
Main street, near Gas house	100	M
Main street, Gas House yard	100	M
Main street, near B. R. & E. Waiting Room	110	H
Main street, opposite Cross street	105	H
Main street, corner Middle street	104	H
Main street, corner Union street	97	H
Main street, near Davenport park	100	H
Main street, near Parkhurst's trunk factory	103	H
Main street, near Railroad street	103	H
Main street, corner Patten street	98	H
Main street, corner Sidney street	94	H
Main street, corner Lincoln street	93	H
Main street, corner Dutton street	95	H
Main street, near City Almshouse	93	H
Main street, corner Dillingham street	86	M
Main street, corner Thatcher street	90	M
Main street, near Railroad bridge	90	M
Main street, at Hampden line	100	M
Manners avenue, corner Union street	53	M
Maple, corner State street	80	H
Maplewood Park, Dutton street entrance	75	M
Maple street, 500 ft. north of Garland	68	M
Maple street, corner Mt. Hope avenue	65	M
Maple street, between State and Garland streets	75	H
March, corner Main street	90	M
Market, corner Cumberland street	85	H
Market and Curve streets	85	M
Market, corner Division street	83	M
Market street, 100 ft. north of Willow street	85	H
May and South streets	103	M
Merrimac street, 200 ft. from Hancock street	95	H
Montgomery, oppo. Fountain	45	M
Morse & Co's Planing mill	110	H
Mt. Hope avenue, north of Fruit street	65	M
Nelson, corner Drummond street	80	M
Newbury, corner York street	73	H
Norfolk, corner Congress street	60	M

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	Pressure in pounds	Make
Norway Road and Fairmount Park, West	45	M
Norway Road and Fairmount Park, East	40	M
Norway Road and Webster Ave	40	M
North, corner West street	45	M
Ohio and Autumn	45	M
Oak, near Washington street	105	H
Ohio, corner Hammond street	75	H
Ohio, between Hammond and Hudson streets	68	H
Ohio, corner Hudson street	68	H
Ohio, opposite Everett street	58	H
Ohio, corner Bower street	63	H
Ohio, opposite Highland street	53	H
Ohio, corner Fremont street	48	H
Ohio, corner Holland street	50	H
Ohio, opposite Fourteenth street	58	H
Ohio, opposite Sixteenth street	65	H
Olive Ct. and Olive St	85	M
Otis and Garland streets	80	M
Otis, corner State street	105	H
Palm and State	78	M
Palm, corner Garland street	68	M
Palm street, 600 ft. north of Garland	62	M
Park St., 150 feet from State	105	M
Parker, corner Fourth street	83	H
Parker street, 500 ft. from Third street	75	H
Parkview avenue, 500 ft. north of Garland street	68	H
Parkview avenue, corner Mt. Hope avenue	68	M
Parkview avenue, North of Mt. Hope avenue	60	M
Park street, near Tarrantine Club building	95	H
Patten street, near No. 79	80	H
Pearl street, south of State street	85	H
Pearl street, between State and Garland streets	80	H
Pearl street, corner Mt. Hope avenue	63	H
Pearl street, corner State street	80	H
Pickering Sq. and Water street (west side)	110	M
Pier, corner Seventh street	58	H
Pine, opposite South Park street	73	H

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	Pressure in pounds	Make
Pond, corner Hayward street	48	H
Prospect street, between Center and Harlow streets	95	H
Parkview avenue, 600 ft. south of Garland street	75	H
Pearl street, 600 ft. north of Garland street	75	H
Pumping Station Headhouse	120	H
Railroad, corner Front street	108	H
Railroad, corner Pleasant street	108	H
Railroad, corner Summer street	105	H
Royal Road and Graham avenue	43	M
Sanford, corner Cedar street	85	M
Sanford, between Cedar and Warren streets	85	M
Sanford and Warren streets	80	M
Salem Court	80	M
Second, 300 ft. from Union	80	M
Second street, 300 ft. north of Warren street	95	H
Seventh and Lincoln streets	65	M
Seventh, between Savage and Larkin	60	M
Sidney street, (east side)	83	M
Sixteenth, corner Union street	55	H
Sixteenth, between Ohio and Union	60	M
Sixth street, between Hammond and Pier streets	58	H
Somerset, between Grove and Elm streets	65	H
South, corner Pleasant street	95	H
Spring street, between Harlow and Center streets	95	H
State St. and Hogan Road	112	M
State street, at Eastern Maine General Hospital	95	H
State street, Dr. Peters' residence	110	M
State St., J. Frank Green's ice houses	112	M
State street, between Forest avenue and Grove	70	H
State street, between Essex and Pine streets	70	H
Summer, corner Cedar street	95	H
Summer, corner Union street	100	H
Summer, opposite South	95	M
Thatcher, 175 feet west of Olive	90	M
Thatcher, 923 feet from Main	80	M
Third, corner Walter street	70	H
Union and Short	100	M

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	Pressure in pounds	Make
Union, corner High street	78	H
Union, corner Clinton street	80	H
Union, corner Hammond street	70	H
Union, corner Hudson street	60	H
Union, corner George street	45	H
Union, corner Highland street	28	M
Union street, 500 ft. north of Sixteenth street	53	M
Union street, near C. H. Phillips' residence	45	M
Valley avenue, at Morse & Co's hardware store	110	M
Valley avenue, at Morse & Co's mill	118	H
Valley avenue, at S. A. Maxfield Co's plant	105	M
Vine, 400 feet west of Third	65	M
Walter street, 500 ft. from Main street	90	H
Walter street, (north side)	95	M
Warren, corner Third street	73	H
Washington, corner Exchange	112	H
Washington street, east of Pine street	110	H
Washington street, at Railroad bridge	105	H
Water street, corner Pickering square	108	H
Webster avenue, opposite Lincoln street	50	H
Webster Ave. North, 554 feet from Hammond	45	M
West Market Square, at Circular block	112	H
West Market Square, at Mercantile block	112	H
West Broadway, corner Union street	30	H
West Broadway, corner Bowdoin street	50	M
West Broadway, corner Lincoln street	50	H
Wing, corner Seventh street	60	H
Wing, corner Vernon street	50	M
Wiley street, (north side)	45	M
York, corner Broadway	90	H
York, corner French street	110	H
York, corner Exchange street	100	H

Total number connected with system, 312.

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WATER RATES

DWELLING HOUSES

For faucet to be used by a single family, $5.00.
For each additional faucet to be used by the same family, $2.00.
Where a house is occupied by more than one family, and one faucet being used by all; for each family $5.00.
For first water closet, $3.00.
For each additional water closet, $1.00.
Where one water closet is used by two or more families in one house, each family, $3.00.
For first bath tub, $3.00.
For each additional bath tub, $1.00.
Where one bath tub is used by two or more families in one house, each family, $3.00.
For the first two wash bowls, each $1.00.
For each additional wash bowl, 50 cents.
For set wash tubs, each $1.00.
For faucet in cellar for furnace use, each $1.00.

HOTELS AND BOARDING HOUSES

For sink faucet, $8.00 to $40.00.
For each wash bowl, $5.00.
For each water closet, $5.00.
For each urinal, $5.00.
For each bath tub, $5.00.
For each wash bowl in private rooms, $3.00.
For each water closet in private rooms, $2.00.
For each bath tub in private rooms, $3.00.

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BUILDINGS

For Buildings Used for Offices

For each office in which there is a faucet, $3.00.
For each water closet in same office, $2.00.
Where the faucet is so located as to be used by occupants of another office, an additional $2.00.
Where the water closet is so located as to be used by occupants of another office, an additional $2.00.

Barber Shops

First chair, $5.00.
For each additional chair, $1.00.

Photograph Galleries

First sink faucet, $8.00 to $10.00.
For each additional faucet, $2.00.
For each wash bowl, $3.00.
For each water closet, $2.00.

STORES

For each tenement used as store or warehouse, in which there is one faucet, $5.00.
For each additional faucet, $2.00.
For first water closet, $5.00.
For each additional water closet, $2.00.
For each urinal, $3.00.
Soda fountain glass washer, for the season, $5.00.

MEAT AND FISH MARKETS

For each store or stall used for vending meat or fish for first faucet, $8.00 to $15.00.
For each additional faucet, $5.00.

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PUBLIC HALLS, SOCIETY HALLS, BILLIARD HALLS, ETC.

For first sink faucet, $5.00.
For each additional sink faucet, $2.00.
For first water closet, $5.00.
For each additional water closet, $2.00.
For each urinal, $3.00.
For each wash bowl, $3.00.

SALOONS AND EATING HOUSES

For each saloon or eating house wherein the food consumed is cooked, for first faucet, $8.00 to $12.00.
For each additional sink faucet, $5.00.
For each bath faucet, $5.00.
For each wash bowl, $3.00.
For first water closet, $5.00.
For each additional water closet, $2.00.
For each urinal, $5.00.
For each faucet for washing bottles, $10.00.

PRIVATE STABLES

For private stables, including water for washing carriages for one horse, $5.00.
For each additional horse, $1.50.
For one cow, $2.00.
For each additional cow, $1.00.
Truckmen's stables shall be charged for one horse, $3.00.
For each additional horse, $1.00.

LIVERY STABLES

For livery stables, for one horse, including washing carriages, $6.00 to $10.00.
For each additional horse, $1.50.

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HOSE

Free for extinguishing fires.
For washing windows and sprinkling streets, $3.00 to $6.00.
For sprinkling lawns and gardens, $2.00 to $10.00.

PRINTING HOUSES

For ordinary purposes, including washing types, for each press, $10.00 to $25.00.

STEAM ENGINES

Stationary steam engines working not over ten hours per day, per H. P., $4.00.

BUILDING PURPOSES

Special rate made.

METER RATES

Meter rates for water for other than domestic use are hereby established at five and one-half cents per one hundred cubic feet, but the minimum charge for water under meter rates shall not be less than as follows: For elevators and motors, $6.00 per quarter; for all other uses, $2.00 per quarter.

The term "domestic use" is hereby construed to include the use of water in private residences, public and private offices, stores, shops, and other business places where no water is used except for wash bowls and closets.

If a meter gets out of order and fails to register, the consumer will be charged at the average daily consumption as shown by the meter when in order.

All water that passes through a meter will be charged for, whether used or wasted.

This amendment to take effect on approval of City Council.

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CITY ORDINANCE

RELATING TO

Bangor Water Works

Section 1. It shall be the duty of the water board of said city to cause all the hydrants connected with the water works to be examined as often as necessary to see if they are in good order, to keep them during the winter free from snow and ice, and to have them at all times in good condition for use.

Sec. 2. No person, unless authorized by said board, shall open any fire hydrant, nor remove any cap thereof, nor fasten any horse or team to or in front thereof or in any way obstruct free access to and use thereof, nor deposit any dirt or other material in any public or private shop, gate, box or stop, or in any manner commit any act tending to obstruct the use of any hydrant, gate or valve. Provided, however, in cases of fire the hydrants shall be for the time being under the entire control of the chief engineer of the fire department, who, after each fire, shall cause each hydrant used to be left in good condition for immediate use. Said engineer, may also, after having given notice to said board of his intention so to do, use said hydrants to fill the reservoirs of said city.

Sec. 3. Any person desiring a supply of water shall make application in writing to said board, stating for what use it is wanted, the location in which it is desired, and as near as may be the extent of its use.

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All applications must be made by, or with the assent of the owner or agent of the premises, by whom all rates shall be paid.

Sec. 4. All pipes, valves and fixtures must be capable of sustaining a pressure of at least two hundred pounds to the square inch; and the plumber's work must be examined and tested by the superintendent of said board before the water is finally turned on.

Sec. 5. Said board will furnish and lay a service pipe from the street main to the outer edge of the sidewalk, and furnish and place at said edge of the sidewalk a stop valve and box, and shall thereafter maintain and keep it in good order and the same shall at all times be completely subject to the control of said board. No pipe shall be connected with the city service pipe, nor shall water be turned on at any time until a permit is issued therefor. All connection with main pipes shall be made by a person appointed for that service by said board.

Sec. 6. Said board is authorized to appoint an inspector of said works and define his duties. Said inspector shall at all times, when on duty, wear in a conspicuous place on his clothing, a badge furnished by the water board. He shall at all proper and reasonable time have access to, and be permitted to inspect pipes, fixtures and apparatus supplied with water, and may control the location and use of the stop and waste cock in the cellar of the building, or in whatever location it may be placed, as the interests of the city may require. It shall be the duty of the inspector of water, to inspect as often as possible the fixtures of all water takers, see that they are tight and kept in good condition. He shall notify all users of water of any waste he may discover, or of faulty plumbing, if any, and the parties so notified shall at once cause the defect to be remedied. A second notice for the same cause from the inspector shall cause a fine of one dollar to be imposed upon the

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offender. A third offense for the same cause shall subject the offender to a fine of five dollars, or the shutting off of the water from his or her premises, or both, as the majority of the water board present at any meeting duly called shall elect. Any refusal to pay such fine shall be sufficient cause for shutting off the water, which shall not be turned on again until such fine is paid.

It shall be the duty of the inspector to report all irregularities under these rules to the clerk of the water board, who shall make note of the same and report to the superintendent and to the water board at their next meeting.

Sec. 7. Water will in no instance be turned on until the plumbing has been examined and approved by the superintendent of said board or reported safely and well completed in all its parts to sustain a pressure of two hundred pounds to the square inch, by a plumber licensed by the board, and approved by the superintendent; and every plumber who shall set up any pipes, fixtures or apparatus for the use of water, or shall make repairs upon or additions to those already set up, shall report to said board within two days of the completion thereof the nature of the repairs or additions which have been made to the work heretofore existing.

Sec. 8. All persons supplied with water shall keep the cocks, pipes and fixtures in good repair and protected from frost. No continuous flow to guard against freezing or for other causes will be allowed, but by special permit of said board, and by paying extra rates therefor; and no leak shall be suffered to exist in any pipe, fixture or attachment.

Sec. 9. An unnecessary use or waste of water, or allowing it to be used by parties, or for purposes not specified in the application, will subject the offender to an immediate stoppage of the water, and the payment of not less than double the rates for the quantities thus used, or wasted, as estimated by the

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superintendent. And when water has been turned off from any premises for any reason above stated, or for any defect in the plumbing, the sum of one dollar will be charged for turning on.

Sec. 10. Said board may cause a meter to be attached to any premises where they have reason to believe that an unnecessary or fraudulent use of water is being made, and may assess rates upon such premises thereby. Meter rates for other than for domestic uses are hereby established at five and one-half cents per hundred cubic feet.

Sec. 11. Water supplies for hydraulic power or in large quantities for special use, will be subject to such restrictions as said board may impose; and no meter shall be put in use without the consent of said board.

Sec. 12. Each builder or superintendent of building using city water, shall, on the first day of each month, return to said board at their office, a full and true account of all water used by him during the month previous, and he shall at that time pay for the water so used.

Sec. 13. All the water rates, except for building purposes, meter rates, lawn and street sprinklers, shall be due and payable at the office of said board, quarterly in advance, on the first day each of January, April, July and October. Meter rates will be due and payable at the same place on the first day of the succeeding quarter, and rates for garden, lawn and street sprinklers will be due and payable in advance at said office on the first day of April and July of each year. The amount of each rate remaining unpaid twenty days after it is due, will be increased ten per cent; and one per cent per month interest on the original amount due will be charged in addition therefor, until paid, together with costs of collection.

Sec. 14. Not more than twenty-five per cent discount will be made from regular rates when supplies of water are

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taken by special permit from yard fixtures, or from sources without the premises; and in no case shall such supplies be taken from fire hydrants.

Sec. 15. Said board reserves the right to shut off water for the purposes of making extensions, alterations or necessary repairs. And they will shut off water from premises when the users shall disregard the rules for its supply, neglect to pay the rates therefor promptly, or shall sell or permit any unauthorized use of water. Any person receiving water through a stop in common with another person, will be liable to have his supply shut off in consequence of the violation of the rules by the other person or party.

Sec. 16. The regular rates for fountains and jets will be based upon their use for six hours per day for one hundred days in the year, or equivalent to that time; and shall not exceed in size in locations not over one hundred feet above the pumping house floor, three-sixteenths of an inch in diameter. And for floor localities not over one hundred and fifty feet above said floor, one-fourth of an inch in diameter; and in no case over three-eighths of an inch in diameter.

Sec. 17. The regular rates for street and garden sprinklers and for yard and lawn hydrants, will be based upon their use for one hour per day for ninety days in the year; and are not to be used to the inconvenience or injury of persons passing in the streets, and only at such hours as said board may direct. Yard and garden hydrants must not be converted into jets; and neither the sprinklers or hydrants are to be used for wetting other premises than the ones defined in the application without permission of said board, and payment for said additional use. The size of the stream permitted in all case be fixed by the board and the increasing of the size by the user shall be sufficient cause for turning off of the water. The board may designate the hours during which the sprinklers

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or hydrants may be used. Their use while a fire is raging is positively forbidden, except in case of danger of the premises from fire.

Sec. 18. All valves for water closets and urinals must be self-closing, and are to be submitted to and approved by the superintendent of the board. Tanks receiving water direct from the mains are to be fitted with approval self-acting float valves.

Sec. 19. Any person who shall violate any of the provisions of this ordinance, shall forfeit and pay the sum of not less than one nor more than thirty dollars, to be recovered by action of debt in the name of the city treasurer for the use of the city or by complaint for the use of the city before the municipal court, or any other court that may hereafter have jurisdiction of the same.

PLUMBING

Sec. 1. No plumbing shall hereafter be done on any pipes or fixtures for the use of water from the city water works, unless by a plumber licensed by the water board of said city. Said board are authorized to grant and revoke licenses.

Sec. 2. Every plumber who shall set up any pipes or fixtures for the use of water from said city water works, or shall make repairs upon, additions to, or alterations of any pipes or fixtures set up previous thereto, shall, between the first and tenth day of the succeeding month, fill up and return to said board a report, stating particularly what new pipes and fixtures he has set up the previous month, and what repairs, additions and alterations he has made upon or to those previously set up.

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Sec. 3. For every misrepresentation or omission in the report of the work done, said plumber shall be liable to have his license revoked by said board, and to pay a fine of not less than five nor more than twenty dollars, to be recovered in an action of debt in the name of the city treasurer, before the municipal court of said city.

Sec. 4. If any plumber or person not duly licensed, shall set up any pipes or fixtures for the use of water from the water works of said city, or make any repairs upon, additions to, or alterations of any pipes or fixtures previously thereto set up, he shall forfeit and pay a sum not less than five nor more than twenty dollars, to be recovered by complaint, or in an action of debt in the name of the city treasurer, before the municipal court of said city.

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Report of Milk Inspector

BANGOR, March 2nd, 1914.

To His Honor the Mayor, and City Council:

I herewith submit my annual report as Milk Inspector for the City of Bangor, for the year ending in March, 1914.

In looking over annual reports of officials having supervision of the handling and sale of dairy products in cities and towns in our own state and other sections of the country, and from observations during inspection of premises, and of methods employed, and habits of people connected with, and carrying on the business, I am led to the belief that the chief and most common fact to be found with milk supplies, is too much dirt, other faults being of secondary consideration in comparison.

Reports published in the quarterly bulletins of the Agricultural Department of the State of Maine during the past year show that 36 samples have been taken from the wagons of Bangor milkmen for analyses; two of said samples were found to have been dirty, and four slightly dirty. The result of the analyses would indicate that only one-sixth of the samples contain dirt to a greater or less degree; one sample was found to have been watered, and one sample had been skimmed; three samples were below standard in solids, not fat. The inspectors of the State Department of Agriculture have also taken during the year from other parts of the State, not including Bangor, 482 samples of milk from milkmen while on their respective routes; after analyzing them 160 samples were found to be slightly dirty, 36 samples to have been dirty, 16 samples to

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have been watered, 9 samples to have been skimmed, and 105 samples below standard in solids, not fat.

It is a very easy matter by looking over these figures, to see that the milk supply of Bangor averages better than any other city or town in the State.

There are about 1240 cows that furnish the milk and cream for the city of Bangor. There are 56 milkmen that run milk wagons into Bangor that supply our people with milk and cream, 58 men that sell milk to milkmen who run these wagons. They live from one to eight miles from the city. I have visited these farms from three to six times this year; some three times; some four times; some six times. Have been received very kindly by the people, and they have been ready to comply with suggestions that I have made to them, and seemed to want to do things right. I go to farms and look the barns and milk rooms over, and find out about the water supply, which I think is very important. Also look the cows over to see that they are well and healthy. I find that the people are getting in quite a lot of blooded stock and are making improvements in their barns and milk rooms, and seem to be trying to have things right; but there is most always chance for improvement.

To the careful observer there is little doubt as to the source of so much dirt; it is due chiefly to the careless and hurried milking and unclean cows. It is impossible for a person to take clean milk from a cow if she is not kept clean by her keeper; no amount of straining will remove all dirt or much of its effects from milk. It is hard for farmers and milkmen to get good help for farm work and it is most impossible for milkmen to get help that will be good to their cattle and careful about milking; some of the milkmen are using the milking machine and like it very much, and think it is going to be a good thing for them in many ways. They say that it will insure clean milk and lessen the amount of help in doing their work. The milkman

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who strives to please his customers and give them good and clean milk, and who succeeds in so doing most of the time, should receive the support of the public. The one who is indifferent and makes no effort and repeatedly delivers poor and dirty milk to his trade, should be dropped and discouraged from continuing in the business; there are a sufficient number of up-to-date milkmen supplying this city who are worthy of encouragement and who take pride in trying to have things up-to-date who can supply first-class milk to all who are willing to pay a fair price for it.

The grade of cows owned by the dairy men supplying Bangor, average very good; the variety and quality of food found in their barns, the labor, care and expense in cultivating and purchasing it, indicates an effort to produce good milk.

I consider it very important that rooms used for washing bottles, straining and bottling milk, should be carefully screened for protection against flies, for most of such rooms are located near the stables.

One important fact that the consumer does not seem to take into consideration, that is a good many do not seem to, is the care of their milk after they receive it; milk is one of the most delicate articles of food product, also the most abused, causing it to become one of the most dangerous mediums for spreading disease. These facts known should be a strong incentive to all to take the utmost pains in its care.

Respectfully submitted,

JOHN GOLDTHWAIT,

Milk Inspector.

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Report of Building Inspector

To the Honorable Mayor, and City Council of Bangor, Maine:

I herewith submit my report as Building Inspector for the year ending March 16, 1914.

The expense of the City Building department for the year has shown a vast reduction from that of last year.

The repairs on the seven fire stations have been comparatively small, the greater amount being expended in repairs at the City Farm, City Building on Court street, City Stable, Armory, and in City Hall. The transfer of the repair work on all school buildings to the School Department this year has helped to reduce the expense of this department somewhat.

The total expense of the building department for the year, including labor, supplies, trucking, and the salary ($50 per month) of the man kept for job work about the city buildings, is $4,467.00.

There has been no expense for team hire for the year, although heretofore $100 has been appropriated for such use.

During the year I have issued 110 permits, over 90 being for new buildings, and repair work.

I give herewith a list, as near as could be compiled, showing the approximate value of all carpenter work done in the city during the year.

PUBLIC BUILDINGS AND COST

Business Blocks

Bangor Public Library, Harlow Street.....	$155,000 00
Bangor High School, Harlow Street.....	430,000 00

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Penobscot Savings Bank, State Street	90,000 00	
Eastern Trust & Banking Co., State Street	218,000 00	
Exchange Building, State and Exchange Street	90,000 00	
Stetson Block, Central Street	70,000 00	
Star Theatre (P. D. McKinnon), Park and State Streets	15,000 00	
C. S. Jones' Block, Pickering Square	10,000 00	
J. P. Bass, (repairs), Hammond and Central Sts	5,000 00	
J. P. Bass, (repairs) commercial Office Bldg	8,000 00	
J. M. Ross, Main Street	4,000 00	
Salvation Army, Foundation, French and York Streets	3,000 00	
E. R. Brooks, Mt. Hope Ave	2,000 00	
E. H. Blake, (repairs), 190 Main Street	2,500 00	
E. H. Blake, (repairs), Exchange Street	5,000 00	
C. M. Conant Building, Broad St	1,200 00	
		$1,108,700 00

PRIVATE WORK

H. C. Dunhan, 89 Cumberland Street	$ 7,000 00	
Eben Leavitt, 437 Union Street	5,000 00	
F. S. Morse, Fairmont	4,000 00	
J. D. McClure, Sixth Street	4,000 00	
J. L. O'Leary, Savage St. and W. Broadway	3,000 00	
T. J. Murphy, Holland Street	3,000 00	
Lewis Kirstein, 9 Congress Street	3,000 00	
George W. Berry, 299 Russell Street	3,000 00	
Charles D. Pearson, 50 Leighton Street	3,000 00	
G. A. Sprague, 16 Center Street Ave	2,800 00	
R. Cooper, York and Essex Street	2,500 00	
Maurice Stearns, 63-65 Newbury Street	2,500 00	
Charles Donovan, 135 Kenduskeag Ave	2,500 00	
E. W. Wentworth, Linden Street	2,500 00	
O. Crosby Bean, Leighton Street	2,500 00	
J. E. Dean, First Street	2,500 00	
A. B. Haskell, 192 Elm Street	2,500 00	
A. B. Haskell, 196 Elm Street	2,500 00	
Mrs. Katherine Lynch, 243 Maple Street	2,500 00	
W. F. Higgins, French and Garland Streets	2,500 00	

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A. B. Haskell, Lyndon Street	2,500 00
E. H. Dakin, 295 French Street	2,400 00
L. Cameron, East Summer Street	2,300 00
Mrs. Katherine Freeman, French and Cumberland Streets	2,300 00
New house, Congress Street	2,500 00
New house, Fountain Street	2,500 00
S. H. Golden, (repairs), 40 Washington Street	2,100 00
F. E. Sylvester, Graham Ave	2,000 00
A. H. Boober, Broadway and Liberty St	2,000 00
S. F. Morse, Norway Rd. and Hammond St	2,000 00
Charles Hutchinson, 69 Lincoln Street	2,000 00
John Cassidy, Broad Street	2,000 00
Horace Phillips, 92 Seventh Street	2,000 00
G. N. Hall, Forest Avenue	2,000 00
Katheryn Nickerson, 170 Third Street	2,000 00
H. Goodman, 216 Hammond St	2,000 00
Herbert Hicks, Norway Road	2,000 00
J. P. Byrnes, Fraser Street	1,900 00
E. H. Dakin, 311 French Street	1,900 00
H. S. Jones, 3 Webster Ave	1,800 00
E. H. Dakin, 347 French Street	1,800 00
Phoebe H. Burr, 2 Fremont Street	1,500 00
Clara Hawley, 21 Fourth Street	1,500 00
W. F. Sawyer, 489 Essex Street	1,500 00
J. Richlan, Washington Street	1,500 00
Hattie Patterson, 75 Spring Street	1,400 00

REPAIR WORK

Oak and York Streets	1,400 00
M. C. Coombs, Ohio Street	1,200 00
May J. Hexter, (repairs) 6 Hudson Street	1,000 00
J. Rich, (repairs), 205 Hancock Street	1,000 00
Repair work, Sanford and Cedar	900 00
M. A. Melvin, 341 Center Street	800 00
P. Burke (repairs), Main and Sidney Street	800 00
Repair work, Maple Street	800 00
Repair work, Maple Street	700 00
Repair work, Valley Avenue	700 00

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Charles H. Laughlin, (stable), 94 Highland Ct.	500 00	
Mrs. Josephine Conquest, (stable), 88 Sidney Street	500 00	
Abraham Semple, (stable), 151 York Street	500 00	
W. H. Hinckley, (garage), 121 Grant Street	500 00	
J. Rich, (repairs), 197 Hancock Street	500 00	
Hugh O'Brien, 206 Birch Street	400 00	
Repair work, Cedar Street	400 00	
Repair work, Norfolk Street	400 00	
Repair work, Main Street	350 00	
Repair work, Sanford Street	300 00	
Repair work, Maple Street	200 00	
John M. Grant, house at 80 Graham Ave.	No price	
Repair work, Maple Street	80 00	
		$1,236,830 00

Approprimate value of work on public and private buildings and business blocks	$1,236,830 00	
City building department	4,467 00	
Approximate value of work done in Bangor during year ending March, 1914		$1,241,297 00

In closing I wish to add as a recommendation, that in the future one-half or more of the $50 per month now paid by this department to the man kept for job work on the city buildings, be paid by the school department, since by far the greater part of his work has been done on the school buildings, and all such repair work has been transferred from the building to the school department.

I wish to thank all those who have so kindly cooperated with me to make this year in the building department a pleasant and successful one.

M. TIBBETTS,
Building Inspector.

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Report of City Physician

BANGOR, MAINE, Mar. 24, 1914.

To His Honor, the Mayor, and Gentlemen of the City Council:

I herewith submit my report as City Physician from Mar. 24th, 1913, to Mar. 24th. 1914.

Number of visits at City Hospital	226
Number of visits outside of hospital	148
Whole number of visits	374
Number of deaths	19
Number of births	5

Respectfully submitted,

A. A. BROWN,
City Physician.

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Report of City Undertaker

To the City Council:

The undersigned would respectfully submit the following report for the year ending March 1, 1914:

PROTESTANTS

Died in March, 1913	37
April, 1913	42
May, 1913	26
June, 1913	25
July, 1913	24
August, 1913	24
September, 1913	23
October, 1913	34
November, 1913	33
December, 1913	42
January, 1914	34
February, 1914	27
	371

AGE

Under 1 year	41
Between 1 and 5 years	8
5 and 10 years	6
10 and 20 years	13
20 and 30 years	17
30 and 40 years	35
40 and 50 years	40
50 and 60 years	55
60 and 70 years	44

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Between 70 and 80 years	68
80 and 90 years	36
Over 90 years	8
	371

DISEASES

Accident	1
Abscess	1
Alcoholism	2
Apoplexy	14
Appendicitis	1
Arterio Sclorosis	18
Aspyhxiation	1
Brights disease	4
Bronchitis	2
Cancer	16
Carcinoma	7
Cholera Infantum	1
Convulsions	4
Diabetes	3
Dysentery	2
Endocarditis	2
Gangrene	2
General debility	4
Gastritis	1
Heart	31
Hemorrhage	10
Indigestion	8
Influenza	1
Jaundice	1
Meningitis	6
Murder	1
Nephritis	22
Old age	9
Paralysis	8
Pectoris	5
Peritonitis	10
Premature birth	8
Pneumonia	47

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Poisoning	1
Septicema	2
Shock	5
Still born	10
Suicide	5
Tuberculosis	31
Tumor	3
Typhoid fever	4
Other causes	57
	371
Brought to Bangor for interment	65
Carried out of Bangor for interment	179
Interments at Mt. Hope Cemetery	225
Interments at Pine Grove Cemetery	13
Interments at Oak Grove Cemetery	17
Interments at Maple Grove Cemetery	2

Respectfully submitted,

R. E. HATHORN,

Supt. of Burials.

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Report of Park Commission

BANGOR, MAINE, March 18, 1914.

To the Honorable Mayor and City Government:—

The Park Commissioners hereby submit the following report:

Amount appropriated and credit	$4,669 00	
Amount expended	5,258 88	
Amount overdrawn		$ 598 88

This has been a very busy year for this department and we have tried to keep inside the amount set asside for us, but on account of a large amount of forestry work and the expense of destroying brown-tail moth nests we had to overdraw. This work will take about three weeks more and has been done in a very thorough manner.

The parks are all in good shape for the coming year. We have set out one hundred and fifty trees of different kinds in Broadway Park and they have made a big improvement.

A rustic bridge and moving the house from Summit Park have beautified this natural park.

Fairmount has been all made over and seeded and this summer ought to look better than ever before. We would recommend that the street that goes through this park be discontinued and the land graded and added to the park.

It seems as though a start ought to be made to set out some trees in the district that was burned at the time of the great

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fire. We believe that an appropriation should be made this year for this purpose.

The smaller parks have all received careful attention and outside of the expense for taking care of them will not cost very much this year.

Every year there is an expense of about $300 for plants for the different parks and in the fall of the year these plants are all given away or allowed to die and rot. It seems as if some way could be found so that we could have a place to store these so that we could use them again and thereby save quite an expense each year.

The pool in Chapin Park is another bill of expense every year. The granite blocks that form the walls are just laid in the ground and every spring the cracks and holes have to be repaired. If a backing of cement was put in it would no doubt prevent this and be an improvement. This pool is a nice place for the children, and sometimes as many as twenty-five or thirty are in bathing at one time, and it keeps them away from the river.

The fountain in Davenport Park is in bad shape. If a sanitary bubbling drinking fountain was put in in its place we believe it would be very much appreciated in that section, as these fountains are an ornament to any park and are being installed in parks all over the country.

We made a start towards a ball field in the rear of Broadway Park, thereby doing away with the one in the park, which is both unsightly and dangerous to people using the walks in that vicinity. We are in hopes to get it ready for the boys to use this spring and summer.

Through the efforts of Alderman Matheson we received the use of a large field from Mr. Wingate of New York and the diamond can be laid out at a small expense.

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We hope that the new administration will be as liberal as possible in their appropriation to us so that we can make some more permanent improvements this year.

Respectfully submitted,

BOARD OF PARK COMMISSIONERS,

ASHLEY B. WOOD, Secretary.

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Report of Chief of Police

BANGOR, ME., March 1, 1914.

To His Honor the Mayor and to the City Government:

I herewith submit a report of the work of the Police Department for the past Municipal Year:

Assault with intent to kill	1
Abusing and neglecting children	2
Abusing a female child	1
Adultery	6
Affray	34
Assault	4
Assault and Battery	66
Attempted larceny	3
Altering check	2
Breaking, entering and larceny	15
Breaking and entering in the night time	2
Breaking and entering	1
Being a common railer and brawler	2
Cheating by false pretence	2
Cruelty to animals	1
Compound larceny	2
Committing nuisance	1
Concealing mortgaged property	1
Defrauding owner and keeper of garage	1
Embezzlement	1
Escaped prisoner	1
Evading car fare	6
Forgery	7
Fast driving of automobiles	9
Failing to pay weekly wages	1
For other departments	29
Giving a fraudulent check	1

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Insane	2
Intoxication	2,152
Indecent exposure	2
Issuing fraudulent check	1
Idle and disorderly persons	2
Keeping house of ill-fame	3
Keeping gambling house	5
Larceny	76
Larceny from the person	6
Murder	1
Mortgaging mortgaged property	1
Malicious mischief	4
Operating Automobile without a license	1
Profanity	1
Runaway boy	1
Robbery	2
Safe Keeping	48
Unlawfully using and driving a certain horse	2
Vagabond	10
Violating City Ordinance	4
Witnesses	4
Total	2,530
Shelters	750
Number of doors and safes found open.	
East side	81
West side	105

Respectfully submitted,

L. W. GILMAN,

Chief of Police.

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Report of the City Engineer

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OUTLINE OF REPORT

I. Introduction.

II. Streets and Highways:

1. Lines and grades determined.
2. Streets and grades established.
3. Street monuments.
4. Street openings.
5. Street numbers.
6. Street sprinkling.
7. Tar concrete walks.
8. Paving.

III. Bridges:

1. Bangor-Brewer Bridge:
   a. New spans.
   b. Abutment.
   c. Brewer approach.
   d. Paving middle span.
2. Central Street Bridge:
   a. Brought to grade.
   b. Abutment.
3. Kenduskeag Bridge, painting.
4. Merrill's Mills Bridge, re-floored and painted.
5. General repairs.

IV. Sewers:

1. Surveys, plans and reports.
2. Sewer books brought to date.
3. Sewer maps brought to date.

V. High School Excavation.

VI. Post Office Retaining Wall.

VII. Norumbega Site Walls.

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VIII. Assessors' Map:
1. This year's work.
2. Last year's work completed this year.
3. Projected work.
4. Recommendations for appropriations.

IX. Miscellaneous:
1. School Department.
2. Water Department.
3. General Work.

X. New Filing System.

XI. Copying Records,
1. Work completed last year.
2. Recommendations of future work.

XII. Schedule of Contract Work.

XIII. Cost of Engineering.

XIV. Property List.

XV. Conclusion.

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Report of the City Engineer

BANGOR, MAINE, March 1, 1914.

To His Honor, the Mayor, and the City Council of Bangor:

Gentlemen:—

In compliance with the City Ordinance requiring a report on the work executed by the City Engineering Department, I beg leave to submit the following for the year ending March 1, 1914:

STREET LINES AND GRADES

The following street lines and grades have been surveyed and designated, when needed by the highway department, electrical department, contractors for street maintenance or construction, and upon the request of property owners:

STREET LINES

Bellevue
Broadway
Cedar
Central
Clinton Court
Columbia
Congress
Cottage
Dayton
Elm
Exchange
Fern
Fountain
French
Fremont
Garland
Garland Street Extension
Grant
Hammond
Hancock
Highland Court
Highland Lane
James
Kittredge Road
Linden
Main
Maple
Montgomery
Mount Hope Avenue
New Street
Newbury
Norfolk
North
North Park

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Oak
Ohio
Pine
Poplar
Prospect
Sanford
Sixth
South
South Park
State
Stetson Sq.
Third
Williams
York

STREET GRADES

Bellevue
Catell
Central
Elm
Exchange
Fountain
French
Grant
Hancock
Holland
Maple
Montgomery
Oak
Pine
Sixth
State
Stetson Square
Stillwater Avenue
Williams
York

STREETS AND GRADES ESTABLISHED

The following streets and grades have been laid out by the Board of Street Engineers, accepted and established by the City Council, surveys, plans and profiles being made by this department:

Fountain Street (Montgomery to Linden).
Fountain Street—grade (re-established Linden to Poplar).
Lafayette Street (Leighton to Fountain).
Pine Street Extension (Stillwater Ave. to Milford Street).
A Public Way (Harlow to Park).

Proper record of this work has been placed in the road and plan books of the department.

STREET MONUMENTS

Monument set at northeasterly corner of Pine Street and Stillwater Avenue.

Monument set at northwesterly corner of Pine Street and North Park Street.

Monument set at southeasterly corner of Pine Street and Milford Street.

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Monument reset at first angle on Cottage Street westerly from Ohio Street, southerly side of Cottage Street.

Monument reset at southwesterly corner of Egery Street and Garland Street.

Temporary marks were placed at all corners established by the Assessors' map survey.

STREET OPENINGS

During the year 148 permits for street openings have been issued by this office. $324.75 has been collected by the Treasurer and $174.31 expended for repairs and engineering.

STREET NUMBERS

During the year 88 houses were numbered with a total issue of 97 numbers. Many of these were public buildings and numbers were determined for the Water Department. The following numbering plans were made:

Bates Street
Colby Street
Dayton Street
Dole Court
Earle Avenue
Francis Street
Jordan Road
"L" Street
Lafayette Street
Pine Street Extension
Russell Street
Rutland Street
Savage Street Extension
Tyler Avenue
Williams Street

STREET SPRINKLING

Street sprinkling in the city was done by contract, as for several years past. The total amount of the contract for sprinkling about 27.5 miles of varying widths of roadway was $7,336.61½. The property benefitted was assessed according to valuation. The oil sprinkling of last year which proved very satisfactory was continued by sprinkling approximately twelve miles of roadway, of which nearly five miles was sprinkled the second time. The work was done by the Standard Oil Company for 1¼ cents per square yard, at a total expense of $3,896.45.

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TAR CONCRETE WALKS

Measurements have been made for the following walks. Certificates were filed with the Treasurer for one-half payment by the abutting property owners for all new walks:

LIST OF WALKS, SHOWING YARDAGE

Streets	Surface Sq. yds.	Cost		Remarks
		Per yd.	Total	
Boutelle Road	52.83	$ .84	$ 44.38	Westerly side
Broadway	195.7	.60	117.42	Recoating from State St., northerly
Center	118.5	.84	99.54	Jefferson to Blackstone St.
Center and State	9.2	.60	5.52	Patches
Center	129.0	.84	108.36	West side, near Poplar St.
Center	4.9	.84	4.12	Cross walk
Cedar	429.47	.60	257.68	Recoating between First and Main Sts.
Cedar	47.53	.84	39.92	Near First St.
Cedar	98.8	.60	59.28	Recoating between First and Main St.
Clinton	164.6	.84	138.26	Union to Hammond St.
Elm	968.1	.84	813.20	Westerly side from Garland St., northerly

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LIST OF WALKS, SHOWING YARDAGE—*Continued*

Streets	Surface Sq. yds.	Cost		Remarks
		Per yd.	Total	
Elm	637.0	.84	535.08	Westerly side from Stillwater Ave., southerly.
Elm	700.15	.84	588.13	Westerly side from Garland St., northerly
Elm	400.7	1.00	400.70	Easterly side from Garland St., northerly
Essex	123.3	.84	103.57	Penobscot to Somerset St.
Essex	352.3	.60	211.38	Recoating on westerly side between Somerset and Cumberland St.
Essex	261.8	.84	219.91	Cumberland to Garland St.
Essex	948.6	.60	568.16	Westerly side between Garland and Stillwater Ave., Recoating.
Essex	73.3	.84	61.57	Westerly side, near Stillwater Ave.
Essex	96.2	.60	57.72	Adjoining cross walk at junction of Stillwater Avenue.
Essex	74.2	.90	66.78	Cross walk at junction of Stillwater Ave.
Essex	117.8	.60	70.68	Recoating on easterly side between Garland and Stillwater Ave.
Essex	94.1	.84	79.04	Easterly side between Garland and Stillwater Ave.
Essex	38.1	.90	34.29	Cross Walk at junction Cumberland St.
Essex	29.2	.90	26.28	Cross walk at junction Garland St.

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LIST OF WALKS, SHOWING YARDAGE—*Continued*

Streets	Surface Sq. yds.	Cost		Remarks
		Per yd.	Total	
Forest Ave.	8.3	.84	6.97	Patches
French	173.2	.95	164.54	Easterly side between Congress and Broadway
French	23.05	.60	13.83	Recoating near State St., easterly
French	55.45	.84	46.58	Easterly side, near Hancock St.
French	132.5	.95	125.87	Westerly side between Hancock and Washington
French	52.7	.84	44.26	Westerly side northerly of State.
Grove	66.83	.84	56.14	Easterly side, between State and Somerset St.
Grove	303.2	.84	254.69	Easterly side from State St., northerly.
Grove	2.6	.60	1.56	Recoating easterly side State to Garland St.
Garland	197.02	.84	165.50	Northerly side between Grove and Elm
Grant	183.9	.84	154.48	East side between Linden and Poplar
Hammond	330.6	.60	198.36	Union, northerly, recoating
Hammond	146.84	.84	123.34	Cross walk junction Clinton and Hammond St.
Hammond	4.3	.60	2.58	Patch, Fourth and Hammond Sts.

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LIST OF WALKS, SHOWING YARDAGE—*Continued*

Streets	Surface Sq. yds.	Cost		Remarks
		Per yd.	Total	
Hammond	114.3	.60	68.58	Southerly side east of High St.
Highland Ave.	59.9	.90	53.91	Cross walk, junction of James St.
Hancock	121.1	.84	101.72	Northerly and southerly side from Pine easterly
Hancock	67.17	.60	40.30	Recoating on southerly side easterly of Pine St.
Hudson	191.3	.84	160.69	Southerly side, Union to Ohio St.
Hudson	42.0	.60	25.20	Recoating on southerly side
James	347.4	.84	291.81	Southerly side from Highland Ave. easterly
Jefferson	312.0	.60	187.20	Recoating Center to Division St.
Kenduskeag Ave.	224.9	.60	134.94	Recoating on westerly side north of Division St.
Leighton	43.1	.84	36.20	West side near Poplar St.
Main	52.83	.84	44.37	Corner Cedar and Main St.
Montgomery	1.5	.84	1.26	Patch
Norfolk	233.10	.84	195.80	Easterly side near Montgomery St.
Norfolk	101.8	.84	85.51	Westerly side near Montgomery St.

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LIST OF WALKS, SHOWING YARDAGE—*Continued*

Streets	Surface Sq. yds.	Cost		Remarks
		Per yd.	Total	
Newbury	76.2	.60	49.68	Recoating on easterly side
Newbury	220.8	.84	185.47	Easterly side from Hancock northerly
Newbury	60.0	.90	54.00	Cross walk at junction of Hancock and Newbury
Ohio	303.0	.84	254.52	From Everett southerly
Ohio	45.60	.60	27.36	Recoating on easterly side
Pine	40.28	.84	33.84	From Hancock northerly
Pine	37.8	.60	22.68	Recoating on easterly side south of Hancock St.
Poplar	145.1	.84	121.88	Northerly side
Poplar	1.5	.84	1.26	Patch
Poplar	98.8	.84	82.99	South side
Poplar	23.3	.84	19.57	Cross walk
Second	75.4	.60	45.24	Recoating on northerly side west of Union St.
Seventh	36.3	.84	30.50	Northerly side
State	154.30	.84	129.63	North side from French St., westerly

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LIST OF WALKS, SHOWING YARDAGE—*Continued*

Streets	Surface Sq. yds.	Cost		Remarks
		Per yd.	Total	
State	132.2	.84	111.05	North side from Park St., easterly
Union	325.3	.84	273.25	Easterly side from Clinton St., northerly
Union	50.7	.84	42.59	Cross walk Union and Hudson Sts.
Union	81.4	.84	68.38	Cross walk Hammond and Union Sts.
Union	116.1	.84	97.52	Cross walk, Hammond and Union
Union	65.6	.90	59.04	Cross walk at Junction of Cottage St.
Union	4.0	.60	2.40	Patch
Union	59.4	.90	53.46	Cross walk near Wiley St.
Union	59.9	.90	54.91	Cross walk at junction of Jackson St.
Union	42.8	.84	35.95	Easterly side from Jackson St., northerly
Union	71.1	.84	53.72	Easterly side near Jackson St.
Union	65.5	.90	58.95	Cross walk at junction of Highland St.
Union	83.5	.90	75.15	Cross walk at junction of James St.
Union	422.5	.60	253.50	Union Place to Chatham St.

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LIST OF WALKS, SHOWING YARDAGE—*Concluded*

Streets	Surface Sq. yds.	Cost		Remarks
		Per yd.	Total	
Wiley	45.4	.90	40.86	Cross walk
Wiley	55.5	.90	49.95	Cross walk at junction of Union St.
Total	12757.55		$9885.36	

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WOOD BLOCK PAVING

Surveys, plans and specifications were made and contracts let for the following wood block paving jobs:

DATA ON WOOD BLOCK PAVEMENT LAID IN THE CITY OF BANGOR
SEASON 1913

Job	Date		Length Feet	Surface Sq. yds.	Cost		Curbing
	Start	Finish			City	B. R. & E.	
State St.	Sept. 12	Oct. 25	531.6	2599.00	$7,002.79	$4,180.16	783.44
Exchange St.	Aug. 15	Sept. 12	630.0	2613.88	5,026.56	4,412.31	
Hancock St.	Oct. 25	Nov. 21	241.0	826.87	3,233.06		
Harlow St.	Oct. 25	Nov. 28	716.5	3085.60	9,761.11	2,521.36	71.32
Bangor-Brewer Bridge	Oct. 1	Oct. 22	198.4	705.4	4,309.99		
	Total		2317.50	9830.75	$29,333.51	$11,113.83	$ 854.76

The state road work was continued on State Street and the City received $2,601.26 from the State towards this work.

The right of way of the Bangor Railway & Electric Company was paved at their expense.

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BRIDGES

By order of the City Council the Board of Street Engineers had plans and specifications prepared for the construction of two new approach spans of the Bangor Brewer bridge. As Mr. Greenwood, Consulting Engineer, Skowhegan, Maine, during 1912 had made preliminary plans and studies for these approach spans, it was considered best, in order to save time, to have him complete the plans, and accordingly his services were obtained. Bids for construction and erection were received from five large bridge concerns, and the contract for $15,417 was awarded to the Canton Bridge Company of Groton, New York. These new spans are to be of the same width as the others recently erected and capable of supporting electric car traffic. Owing to the fact that the Maine Central Railroad Company did not prepare their detail plans for their approach span until late in the year and erect their steel pier, upon which one end of our span rests, it was impossible for the Canton Bridge Company to complete the contract during this fiscal year. For this reason it was considered advisable to postpone the erection until the spring of 1914, although all of the material was shipped and is now stored here in the city.

It was necessary to extend one of the masonry shore piers of the Bangor-Brewer bridge on the Bangor side about five feet up stream in order to support the new span. Plans and specifications were prepared by this department and bids received from three local contractors. The contract was awarded to the lowest bidder at the total cost of $1,356.00.

The need of a different approach at the Brewer end of the Bangor-Brewer bridge has been keenly felt since the new steel spans were erected in 1911, which raised the grade of the bridge floor, the old plank approach being very rough and always in the need of repairs. A survey was made and found that the grade of the approach could be decreased. Plans and specifica-

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tions were prepared for a retaining wall on the two sides and the river end of the approach. The work was completed at a cost of $2,143.77. At present the roadway is surfaced with gravel but should be paved with creosoted wooden blocks.

The middle span of the Bangor and Brewer bridge erected in 1902, was constantly in need of repairs to the plank roadway in order to insure safety. By order of the City Council a survey was made, plans and specifications prepared for paving this space with wooden blocks and replacing all timber below the floor with creosoted lumber. This work was done by contract at a cost of $4,309.99.

It was considered advisable by the highway department to raise Central Street to the established grade which necessitated bringing the floor of the Central Street bridge to grade also. This was done by laying a system of floor beams and stringers on the old flooring. Timbers taken from the old toll bridge were used for this work, at small expense.

The failure of the old Post Office site wall necessitated the construction of a twenty foot extension of the westerly abutment under the easterly span of the Central Street bridge. Surveys, plans and specifications were made for a permanent abutment. The contract was awarded in conjunction with one for the construction of the Post Office retaining wall.

It was necessary to paint the Kenduskeag bridge to prevent corrosion and improve the appearance.

At the beginning of the season the floor of the Merrill's Mills bridge was in a dangerous condition and required a new flooring. The superstructure above the floor was given one coat of paint. This work and all other bridge repairs were done as necessary, so that at present all bridges are in good condition.

SEWERS

Surveys, plans and profiles were made, and reports submitted for the following sewers constructed during the past season,

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which also required frequent lines and levels from this department:

Union St.	995.0 ft. beyond Sixteenth St.
Jackson St.	325.0 ft. easterly from Union St.
Poplar St.	150.0 ft. westerly from Norfolk St.
Birch St.	430.0 ft. northerly from Mt. Hope Avenue.
Tyler Ave.	425.0 ft. northerly from Jordan Road.
Fifteenth St.	1000.0 ft. westerly from Ohio St.
Meadow Brook	290.0 ft. northerly from Essex St.
Harlow St.	274.0 ft. southerly from Central St.

Preliminary surveys, plans, cost estimates and reports were made for sewers on Lincoln St., also between Larkin and Third Sts.

All new construction and property assessments have been duly recorded in the plan books of the department. The two large sewer maps were carefully corrected and extensions added.

HIGH SCHOOL EXCAVATION

To improve the appearance of the High School and Library lots, extensive excavation was necessary. A cross-section survey was made and the amount of excavation estimated. Plans showing the location of the earth and specifications for removal were prepared. The contract was awarded to the lowest bidder, and 11,077.33 cubic yards of earth and stone were removed.

POST OFFICE RETAINING WALL

The City Government ordered that the old Post Office ruins be torn down, but did not provide for removal from the site. This work was done and the material which was necessarily piled near the stream to allow operations caused the rupture of the easterly wall near Central Street. After the debris was removed from the stream it was necessary to rebuild the wall. Surveys, plans and specifications were prepared and bids re-

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ceived. The contract was awarded and the wall satisfactorily completed January 1, 1914.

NORUMBEGA SITE

By order of the City Council the various possibilities of repairing the Norumbega site walls were thoroughly investigated. Repairing the old crib work, constructing a concrete wall, also a granite faced wall, were all carefully considered, the cost estimated and a report submitted.

ASSESSORS' MAP

At the regular May meeting, the City Council appropriated $1500 for continuing the work of surveying the city and making an Assessors' map.

During the season 160 acres were completed, which included the business section on the west side of the city. The deeds were secured of 620 lots which were carefully plotted on the map. The houses on these lots were located, but upon advice of the assessors they will be omitted from the map. This change is made to avoid confusion in the dimensions of the lots, which is most important, and to allow the area to be shown on each lot. It will also eliminate the congested appearance of the map in general.

This change necessitated the re-plotting of all of last year's work.

During the winter approximate maps of the sections to be surveyed during the coming season were plotted from the various records in the office and the Penobscot Registry of Deeds. All data on the street lines was incorporated and the lot lines were roughly determined by use of the deeds secured at the Registry of Deeds. These maps will be a great help and saving of time in the field work of the next season.

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The sum of $1,500 is not sufficient to keep a crew in the field continually during the whole season and prepare the map for the Assessors during the winter. I have been forced by the lack of funds to have one crew do the general engineering field work in conjunction with the assessors' map. This method is very inefficient and I would suggest that a larger sum be appropriated for this work during the coming season. The necessary help for a year's continuous work could be retained for about $2,500, which would very greatly increase the returns and hasten the completion of this much needed work.

MISCELLANEOUS SURVEYS, PLANS AND REPORTS

School Dapartment

Survey, design, plans and estimate on cost of a retaining wall in the rear of High School building and on Spring Street.

Laid out tennis court and basketball lines in the High School gymnasium.

Surveyed and laid out the football field for High School team.

Surveyed Cottage Street lot.

Surveyed and placed temporary marks at the corners of the school lot at the junction of Stillwater Avenue and Kittredge Road.

Water Department

The two large maps of the department were carefully corrected and the last three years' work added.

A map was compiled of the district northeasterly of Broadway which showed lotting and contemplated streets.

A survey and plan was made and temporary marks placed at the corners of the water works property lying on both sides of the river.

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GENERAL WORK

Surveyed and staked out lots in Finson road and Church road cemeteries.

Determined area of Bangor House property and the Stetson property on Hammond and Central Streets for the Assessors.

At the request of the City Solicitor the following street lines were surveyed and encroachments determined: North, South, Ohio, James.

Surveyed Hammond Street and reported on the advisability of allowing a movable show-case in front of Bangor Dye House.

Survey and specifications were made and contract let for granolithic sidewalk on York Street.

Survey of granolithic walks on following streets: Main, State, Exchange, corner of York and Oak, Stetson Square.

Survey was made of Pine Street 130 ft. northerly of North Park Street and records produced to prove that it had been accepted.

Survey, plans and estimate of cost of necessary retaining walls for new street.

Surveys, plans and profiles were made and grades determined for curbing on the following streets: Exchange, State, Central.

Surveyed and placed temporary marks at the corners of the city property on Pine Street extension.

Surveyed and estimated flooring necessary for repairs on the Hichborn Hill sidewalk.

Street signs were placed where necessary.

NEW FILING SYSTEM

The development of the department and the amount of data on record in this office has long since outgrown the filing system and facilities, so that this year it was necessary to install new filing cabinets in the vault and adopt a new method of filing.

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The cabinets were purchased by order of the City Council and will be installed during the month of March. Much care and time was spent in the study of a system by which any record can be easily and quickly produced.

COPYING OF RECORDS

Last year an appropriation was made for the copying of records, which should be placed in safe deposit vaults. The road records were copied and this year placed in safe deposit vaults at the Bangor Savings Bank. There still remains several volumes of street and sewer plans which should be copied. Volume I of the street plans is in very bad condition and will soon be beyond use.

SCHEDULE OF CONTRACT WORK

The following table shows the general contract work of the city, done under the direction of the Street Engineers, and superintended by this department. This table does not include expense of superintendence or general engineering work.

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CONTRACT WORK TABLE

Work		Date		Cost	
Nature	Location	Start	Finish	Unit	Total
Wood block paving	Exchange St.	Aug. 15	Sept. 12	$3.29 per sq. yd.	$9,438.87
Wood block paving	State St.	Sept. 12	Oct. 25	3.91 per sq. yd.	11,182.95
Wood block paving	Hancock St.	Oct. 25	Nov. 21	3.91 per sq. yd.	3,233.06
Wood block paving	Harlow St.	Oct. 25	Nov. 28	3.91 per sq. yd.	12,282.47
Wood block paving	B. & B. Bridge	Oct. 1	Oct. 22	6.11 per sq. yd.	4,309 99
Masonry	B. & B. Bridge Pier	Aug. 18	Sept. 20	16.00 per cu yd.	1,356.00
Masonry	P. O. Retaining Wall	Sept. 15	Dec. 31	Lump sum	9,495.00
Concrete	B. & B. Bridge, approach wall	Aug. 14	Sept. 26	Day work	2,143.77
Concrete	Various retaining walls	Season			1,875.38
Granolithic walks	General	Season			651.90
Tar Concrete walks	General	Season			9,885.36
Curbing	General	Season			2,444.02
Sprinkling water		Season			7,336.61
Sprinkling oil		Season		$0.0125 per sq. yd.	3,896.45

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CONTRACT WORK TABLE

Work		Date		Cost	
Nature	Location	Start	Finish	Unit	Total
Bridge repairs	All bridges	Season			7,773 88
B. & B. Bridge	New spans	Season		½ completed, ½ price	7,708.50
Incidental work	General	Season			2,352.68
Excavation	High School				7,619.01
					$105,085.91

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In the following table is given the cost of engineering, exclusive of the city engineer's salary, as charged against the various departments and appropriations:

Department	Amount
*General	$ 1,006.50
Assessors' Map	1,369.38
Bridge	113.30
School	59.50
Sprinkling	179.82
Street openings	85.20
Water	110.16
Electrical	6.92
Total	$ 2,930.78

*General includes work done for the sewer department, highway department, street numbering, and street lines and grades for property owners, etc.

For a schedule of property belonging to the City Engineer's office and the bridge department, see report of Committee on City property.

In closing I wish to thank the members of the City Council for their co-operation in the work of this department and their unfailing courtesy which they have extended to me at all times.

Respectfully submitted,

FRANK E. PRESSEY,
City Engineer.

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Report of Overseers of the Poor

BANGOR, ME., March 1, 1914.

To His Honor the Mayor and Gentlemen of the City Council, Bangor, Maine:

RECEIPTS

Appropriation		$ 17,000 00
Received for support of poor at Almshouse	$ 680 04	
Received for support of poor, other towns	642 64	
Received for support of State poor	3,026 02	
Received from products of farm	1,476 11	
From other sources	88 86	
		$ 5,913 67
Total receipts		$ 22,913 67

DISBURSEMENTS

Expenses outside poor	$ 7,867 17	
Expenses Almshouse, including salaries of Overseers, City Farm, and House of Correction	14,645 04	
		$ 22,512 21
Balance unexpended		$ 401 46
Total cost of fuel for year		1,144 63

The Overseers of the Poor herewith submit their annual report:

JAMES GIBBONS
JOHN T. KELLEHER
ALDEN L. CHASE, Sec.

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Receipts and Expenditures

RECEIPTS

Appropriation		$ 17,000 00
Received for support of poor at Almshouse	$ 680 04	
Received for support of poor, other towns	642 64	
Received for support of State poor	3,026 02	
Received from products of farm	1,476 11	
From other sources	88 86	
		$ 5,913 67
Total receipts		$ 22,913 67

EXPENDITURES

OUTSIDE POOR

Provisions	$ 3,510 49	
Clothing	285 99	
Boots and Shoes	355 89	
Dry Goods	73 07	
Medicine	119 10	
Medical attendance		
Burials	189 00	
Other towns	585 91	
Insane	84 00	
Telephone	57 40	
Fuel	32 83	
Stationery	36 70	
Hacks	18 00	
Rent	58 57	
Repairs	4 15	
Cash orders	958 99	
Board		
Salaries	$ 1,296 59	
Clerk hire	103 33	
	$ 7,867 17	

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ALMS HOUSE

Provisions	$ 3,829 49	
Clothing	60 20	
Boots and Shoes	152 54	
Dry Goods	537 51	
Repairs	463 27	
Medicine	870 58	
Medical Attendance	116 25	
Stock	106 40	
Hardware	306 22	
Machinery	354 39	
Furniture	89 20	
Tools	15 33	
Blacksmith	118 31	
Seeds	348 39	
Grain	1,439 33	
Fertilizer	464 50	
Printing and freight		
Fuel	1,111 80	
Labor	415 00	
Salary	3,835 67	
		$ 14,645 04

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Itemized List of Expenditures

RECEIPTS

Amount of appropriation	$ 17,000 00	
Amount received from Overseers of Poor	2,462 18	
Amount received from State of Maine	3,026 02	
Amount received for junk sold	3 28	
Amount received from Fire Dept., for hay	53 48	
Amount received from Highway Dept., same	315 96	
Amount received from J. T. Kelleher, for potatoes	13 75	
Amount received for refund	27	
		$ 22,874 94

EXPENDITURES

James Gibbons, Overseer of Poor	400 00	
J. T. Kelleher, same	400 00	
A. L. Chase, Sec., same	596 67	
Ethel Brown, Sec. same, in 1912	103 33	
		$ 1,500 00

EXPENSES AT ALMSHOUSE

C. L. Garland, supt., salary	$ 1,000 00	
C. L. Garland, paid for labor	2,562 04	
James Milliken, grain	442 03	
J. N. Towle & Co., same	599 79	
W. A. Jennison, same	218 16	
Eastern Grain Co., same	160 16	
F. H. Barstow & Son, same	50 19	
Swett & Co., same	10 41	
Arthur Chapin Co., groceries	752 00	
C. P. Gallagher & Co., same	56 46	
T. F. Gallagher, same	675 21	
J. Cassidy Co., same	66 03	
Thurston & Kingsbury, same	122 99	
C. Hayward Co., same	187 82	
Amounts carried forward	$ 6,903 29	$1,500 00

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Amounts brought forward	$6,903 29	$1,500 00
T. R. Savage Co., same	211 63	
G. I. Wescott & Son, same	236 43	
Adams Dry Goods Co., clothing and dry goods	523 81	
A. L. Freese, dry goods	65 16	
E. C. Nichols Co., same	15 41	
H. H. Shepard, same	18 00	
New York Syndicate, clothing, etc	202 53	
Sawyer Boot & Shoe Co., shoes	250 74	
		$ 8,427 00
Armour & Co., beef, etc	631 47	
W. A. Bean, same	23 50	
A. W. Joy Co., same	43 32	
Swift & Co., same	358 36	
Sulzberger Co., same	177 04	
C. H. Rice, same	32 65	
A. Jones Sons, fish	217 51	
Fred Crowell, produce	12 40	
Echo Farms Co., canned goods	14 40	
Revere Distilling Co., liquor	42 25	
		$ 1,552 90
Cudahy Packing Co., soap powder, etc	$ 78 11	
Flash Chemical Co., soap	7 00	
Morrell Co., disinfectant	30 00	
N. C. Hayner Co., same	23 28	
Orient Spray Co., same	24 75	
The West Co., same	69 50	
Buckley Drug Co., drugs	11 75	
C. H. Davis, same	17 38	
C. Sweet Co., same	609 07	
Curtis & Tupper, same	1 00	
Geo. C. Frye, same	3 06	
A. P. Trask, clocks	10 50	
The Dole Co., lighting fixtures	6 20	
P. H. Vose Co., crockery, etc	77 82	
J. L. Cosmey, tinware	27 98	
Wood & Bishop Co., same	6 96	
Amounts carried forward	$1,004 36	$11,479 90

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Amounts brought forward	$1,004 36	$11,479 90
W. P. Dickey & Co., hardware	98 39	
Rice & Miller Co., same	71 57	
N. H. Bragg & Sons, same	72	
		$1,175 04
Portland Rendering Co., bone meal	2 10	
Morison Bros., fertilizer	331 50	
Armour & Co., same	9 60	
R. B. Dunning & Co., farm implements, etc.	493 39	
Knowles & Dow Co., same	209 97	
C. M. Conant Co., same	28 32	
Louden Machine Co., fixtures for barns	47 36	
E. E. Robinson, seed	45 00	
H. A. Dunning Co., same	13 89	
G. C. Kreslow, farm stock	25 00	
R. B. Weir, same	25 00	
G. F. Cameron, straw	2 61	
Utterback Bros. Co., 1 wagon and harness supplies	174 80	
Utterback, Gleason Co., harness supplies	13 37	
Brown & White, same	18 25	
P. T. Dugan & Co., same	3 96	
C. E. Welch, horseshoeing, etc	129 56	
A. L. Murch, veterinary	11 00	
C. F. Dwinal, same	4 75	
Am. Express Co., express	4 20	
M. C. R. R. Co., freight	2 00	
		$ 1,595 63
Atkins Bros., painting	9 77	
E. F. Kelley & Sons, plumbing	44 73	
B. W. Mayo, same	15 19	
F. L. DeCosta, same	22 41	
Ward & Clough, masonry	12 05	
		$ 104 15
C. L. Garland, wood	36 00	
Wm. Engel & Co., same	150 00	
Sterns Lumber Co., same	924 80	
Amounts carried forward	$1,110 80	$14,354 72

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Amounts brought forward	$1,110 80	$14,354 72
Hincks Coal Co., coal	22 25	
Stickney & Babcock Co., same	21 83	
C. Woodman Co., lumber	36 04	
Morse & Co., sawdust and posts	9 00	
Electrical Dept., labor and supplies	69 76	
Holt & Kendall, repairs	9 65	
C. P. Fessenden, iron work	8 75	
Palmer Shoe Co., repairs	1 40	
		$ 1,289 48
T. A. Huston Co., crackers	$ 6 18	
National Biscuit Co., same	30 72	
Horlick Co., malted milk	8 00	
F. W. Savage, milk	1 05	
Fleischmann Co., yeast	18 52	
Bangor Ice Co., ice	29 35	
Frank Clements, same	17 22	
Snow & Nealley Co., rope	25 83	
		$ 136 87
Besse-Ashworth Co., clothing	46 13	
J. A. Robinson & Co., same	76 35	
J. T. Clark & Co., same	5 38	
Standard Clothing Co., same	6 75	
Boston Button Store, dry goods	5 75	
Wood & Ewer Co., same	3 00	
Severance Bunker Co., same	7 80	
		$ 151 16

EXPENSES OUTSIDE ALMSHOUSE

City Treasurer, paid for support of paupers on orders of Overseers of Poor	$ 1,443 54	
Town of Fairfield, care of paupers	33 89	
Town of Manchester, same	268 60	
Town of Unity, same	87 50	
Town of Greenbush, same	2 85	
Town of Orono, same	66 44	
Town of Carmel, same	8 50	
Amounts carried forward	$1,911 32	$15,932 23

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Amounts brought forward	$1,911 32	$15,932 23
Town of Newport, same	7 48	
City of Bath, same	22 00	
City of Portland, same	6 40	
City of Gardiner, same	83 50	
		$ 2,030 70
G. A. Chapman, groceries	$ 15 00	
F. H. Drummond, same	50 00	
J. F. Fleming, same	224 50	
E. R. Fox, same	9 00	
H. E. Jellison, same	179 00	
Lord Bros., same	10 00	
W. D. Matheson, same	440 58	
D. J. McGrath, same	227 00	
E. F. Piper, same	329 00	
Ray & Stevenson, same	8 00	
S. H. Robinson & Son, same	230 00	
E. F. Spencer, same	341 00	
W. F. White, same	115 00	
F. Willis, same	213 00	
R. Hickson & Son, same	317 00	
W. W. Doane & Co., same	10 00	
C. H. Peterson, same	355 50	
Staples & Griffin, same	142 00	
F. L. Frank & Co., same	95 00	
Gallagher Bros., same	4 00	
R. C. Jordan, same	28 00	
J. E. Foley Co., same	105 00	
F. S. Jones & Co., same	150 00	
		$ 3,597 58
R. A. Graves, M. D., professional services	6 00	
W. J. Hammond, M. D., same	3 00	
J. F. Starrett, M. D., same	12 00	
B. L. Bryant, M. D., same	53 00	
C. P. Thomas, M. D., same	3 00	
H. T. Clough, M. D., same	2 00	
H. A. King, M. D., same	19 00	
Amounts carried forward	$98 00	$21,560 51

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Amounts brought forward	$98 00	$21,560 51
L. S. Mason, M. D., same	3 00	
H. J. Milliken, M. D., same	9 00	
D. W. Bunker, M. D., same	28 00	
A. A. Brown, M. D., same	15 00	
Daniel McCann, M. D., same	3 00	
L. M. Pastor, M. D., same	6 00	
J. F. Cox, M. D., same	3 00	
J. B. Woods, M. D., same	5 50	
E. E. Brown, M. D., same	12 00	
T. J. Murphy, M. D., same	3 00	
W. B. Trickey, M. D., same	3 00	
W. W. Inkrate, M. D., same	6 00	
H. F. Oviatt, D. D. S., same	5 00	
E. M. Gen'l Hospital, use of ambulance	4 00	
		$ 203 50
N. E. Tel. & Tel. Co., service	28 70	
Bangor Co-op. Printing Co., printing	27 50	
Remington Co., office supplies	85	
D. T. Sullivan, same	5 35	
E. F. Dillingham, same	4 00	
Bangor Publishing Co., subscription	6 00	
J. T. Kelleher, funeral supplies	115 00	
Finnigan Bros., same	38 00	
Mt. Pleasant Cemetery Corp., burial of paupers	6 50	
R. E. Hathorn, same	29 50	
M. Kane, hacks	14 00	
		$275 40
Sawyer Boot & Shoe Co., shoes	245 00	
J. Conners Co., same	3 75	
J. M. Arnold Co., same	1 25	
Stover & Prilay Co., same	2 80	
Anti-Tuberculosis Society, board of Mrs. Fitzgerald	6 86	
J. F. Parkhurst & Son Co., rent for Mrs. Twitchell	42 50	
W. H. Fiske, rent for F. C. Maxfield	16 07	
N. E. Tel. & Tel. Co., service	28 70	$346 93
		$22,386 34
Amount unexpended		488 60
		$22,874 94

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Products of the Farm

150 tons hay at $10	$1,500 00
60 tons straw at $6	360 00
100 tons corn silage at $4	400 00
20 tons clover silage at $6	120 00
1150 bu. potatoes at 50c	575 00
1625 bu. oats at 50c	812 50
200 bu. turnips at 35c	70 00
600 bu. mangles at 20c	120 00
30 bu. green peas at 60c	18 00
25 bu. pole beans at 50c	12 50
22 bu. yellow eye beans at $3.75	82 50
30 bu. carrots at 50c	15 00
56 bu. beets at 50c	28 00
300 cabbage at 5c	15 00
400 bu. tomataoes at 40c	16 00
300 lbs. rhubarb at 1c	3 00
2000 lbs. pumpkin and squash at 1c	20 00
3 bu. blackberries at $3.20	9 60
½ bu. plums	75
16 bbl. apples at $3.50	40 00
Poultry used on farm, 400 lbs. at 18c	72 00
Poultry sold	23 22
Eggs used on farm to eat and hatch, 760 doz. at 30	228 00
Eggs sold	42 35
Pork used, 21 pigs, 5775 lbs. at 8½c	478 87
Pigs sold	60 44
New milk used on farm, 995 gal. at 18c	179 10
Skimmed millk used on farm, 8900 gal. at 4c	356 00
Cream used on farm, 600 qts. at 20c	120 00
Cream and milk sold	678 25
Butter made and used on farm, 220 lbs. at 35c	77 00
200 cords dressing at $1.00	200 00
Received for calves	123 00

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Received for service of stock	13 00
Received for premiums at Ea. Me. State Fair	32 00
Received for delivery of wood and outside team labor	289 00
Received for potatoes to date	202 15
Received for hay to date	492 63
Received for oats to date	28 50
	$7,913 36

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List of Property at City Farm February 1, 1914

5 horses
14 cows
3 heifers, 2 yrs. old
2 heifer calves
1 bull, 2 yrs.
1 bull calf, 11 mos.
15 sows
34 shoats
9 pigs
1 mule foot boar
240 hens
2 sets double harness in poor condition
1 single work harness
1 new single driving harness
1 old driving driving harness
1 street blanket
4 heavy team blankets
5 stable blankets
2 whips
1 plush robe
5 team bells
7 halters
6 curry combs
4 brushes
4 cards
1 single straight sled
1 single double sled
2 wagon sleds
2 jiggers, double
1 jigger, single
3 hay racks
2 dump carts
1 sleigh
1 jumper
1 express wagon
1 buggy
1 old top carriage
4 sets whiffletrees and chains
3 pole yokes
4 axes
1 die stock, dies, vise and pipe cutter
1 horse rake
1 potato sprayer
7 hand rakes
1 horse fork and rigging
1 hay carrier and rigging
8 manure forks
6 hay forks
1 bush scythe and snathe
1 hose reel and hose
50 feet garden hose
2 good plows
1 4 horse "breaking up" plow
2 spring tooth harrows
1 smoothing harrow
1 horse hoe
2 cultivator
1 farm roller
1 bench vise
1 anvil
10 tons coal
75 cords prepared wood
20 cords block wood
4 long handled shovels

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2 spades
2 pick axes
5 ice picks
1 ice chisel
2 grind stones
1 set scales
1 power wood saw
1 5 h. p. electric motor
4 buck saws
2 cant dogs
30 potato crates
40 flour barrels
1 cider press
2 incubators
6 brooders
1 corn planter
1 one-horse weeder
6 hoes
6 potato hooks
1 potato digger
1 good mowing machine
1 poor mowing machine
1 McCormick grain binder
2 garden weeders
1 hay cutter
4 lawn mowers (2 good)
1 small seed planter
1 grain broadcaster
1 potato planter
1 chest carpenters' tools
1 hay tedder
11 wheel barrows
1 part set cobbler's tools
12 powder fire extinguishers
6 Underwriters fire extinguishers
1 feed cooker
6 half bushel baskets
1 bbl. lime
3 bags cement
1 Louden litter carrier
1 Louden ensilage carrier
1 Louden feed truck

FURNITURE AND SUPPLIES

1 bbl. molasses
3 boxes soda crackers
1 box common crackers
50 boxes cream tartar
½ bbl. bolted meal
125 lbs. prunes
125 lbs. dried peaches
12 bushels yellow eye beans
250 lbs. sugar
1 bbl. rolled oats
1 bbl. table salt
1 bu. split peas
5 doz. cans corn
1 bbl. rock salt
5 bbls. flour
2 lbs. coffee
6½ chests tea
30 lbs. soda
½ bbl. whiskey
½ bbl. cod bits
15 lbs. White House coffee
6 cans peas
1 Olb. ld Dutch Cleanser
2 cross cut saws
4 Stilson wrenches
5 monkey wrenches
50 tons hay (estimated)
15 tons straw (estimated)
400 bu. oats (estimated)
1 Sharples separator (turbine)
12 milk pails
12 galv. pails

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30 electric light globes
6 wash benches
6 feeding cups
1 ice cap
2 galv. garbage barrels
8 lbs. ginger
5 lbs. pepper
4 lbs. allspice
10 lbs. cloves
¼ bbl. graham flour
45 lbs. corned beef
2½ bbls. pork
60 lbs. lump starch
118 pkgs. washing powder
180 lbs. oleomargarine
21 cans peas
10 cans tomatoes
5 pounds currants
4 pkgs. tapioca
16 medicine glasses
10 spools black linen thread
18 spools mending cotton
20 spools cotton thread
1 gross shoe strings
2 cases toilet paper
40 doz. clothes pins
2 doz. scrub brushes
67 yds. outing flannel
6 whisk brooms
1 doz. fine combs
12 dressing combs
2 gross pant buttons
2 gross porcelain buttons
1 doz. brooms
1 churn
9 clothes baskets
6 electric flat irons
60 gals. disinfectants
200 lbs. shredded soap
20 yds. print cloth
1 gross safety pins

HOSPITAL

19 beds
19 mattresses
4 bed pans
21 rubber sheets
2 ice caps
3 feeding cups
12 agate dippers
2 combination syringes
1 hot water bottle
24 spreads
57 double blankets
90 hand towels
31 roller towels
4 women's night gowns
8 women's undershirts
3 bath robes
5 white coats for attendants
14 chambers
11 wash bowls and pitchers
15 soap dishes
2 foot tubs
2 ice chests
2 "Buck" extension splints
1 bale cotton batting
50 sheets sheet wadding
100 sheets
pillow slips
pillows
84 hospital night shirts
2 baby baskets
2 cheese cloth pads for beds
100 yds. absorbent gauze

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2 child's nightgowns
3 children's nightgowns
2 sterilizing pans
2 dust pans
3 brooms
1 pair surgeon's forceps
1 pair surgeon's scissors
1 drug closet equipped with medicine and instruments to value of $375-$425.

CLOTHING

15 men's overcoats
12 men's canvass, flannel lined jumpers
4 pair men's pants (new)
43 pairs men's pants (good)
17 men's vests
140 men's outside shirts
6 men's outside flannel shirts
132 men's undershirts
132 men's underdrawers
143 pair men's socks (heavy)
60 pair men's socks (cotton)
5 pair men's rubber boots
12 pair men's rubbers
3 pair men's shoes (new)
2 pair men's slippers
4 pair men's braces
8 men's sweaters (new)
12 men's sweaters (good)
18 men's undershirts (summer)
11 men's underdrawers (summer)

WOMEN'S CLOTHING

94 women's aprons (new)
13 women's wrappers (new)
16 women's chemise
14 women's corset covers (new)
34 women's undervests
44 pair underdrawers
19 women's petticoats
12 women's outside skirts
16 pair women's outside drawers
7 child's night gowns
6 women's night gowns (flannel)
12 women's night gowns (cotton)
25 infants' dresses
10 infants' shirts
4 pair infants' socks
18 pair infants' bands
1 puff
1 infants' blankets
10 infants' long skirts
8 infants' shoulder blankets
18 pair hose

BOYS' CLOTHING

8 boys' undershirts
2 pair boys' pants
12 pair boys' braces
6 boys' waists
8 pair boys' drawers
4 boys' caps
3 boys' overcoats
2 pairs boys' shoes
1 pair boys' gum rubbers

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BEDDING AND TOWELS

53 sheets
86 pillow slips
43 dish towels
83 roller towels
6 table cloths
3 sideboard covers
87 hand towels
1 parlor set
1 office set
5 chamber sets
1 dining room set, dishes, glassware, etc.
1 range, cooking utensils, etc.
1 refrigerator
1 table in sewing room
2 chairs in sewing room
2 mirrors
6 feather beds
13 bed spreads
6 mattresses
14 puffs
13 blankets
4 bath towels
1 bath mat
4 toilet sets
1 sewing machine
3 clocks
4 carpets
39 widow screens
1 rifle
1 U. S. Flag.

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Report of the Schools

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SCHOOL BOARD

PRESCOTT H. VOSE.....Term expires March, 1916
DANIEL McCANN, M. D.....Term expires March, 1915
C. PARKER CROWELL.....Term expires March, 1915
GEORGE W. WESCOTT.....Term expires March, 1916
ABRAM L. KIRSTEIN.....Term expires March, 1917

Officers of the Board

PRESCOTT H. VOSE, Charman
D. LYMAN WORMWOOD, Secretary

Regular meeting of the School Board, the second Tuesday of each month at 7.30 p. m.

Superintendent of Schools

D. LYMAN WORMWOOD
AGNES N. TAYLOR, Clerk

School Agent

GEORGE W. CLUFF

Truant Officer

GEORGE W. CLUFF

Office of the Superintendent of Schools—Room 106, High School Building.

Office is open from 8 o'clock a. m. to 11.30 a. m. and from 2 p. m. to 5 p. m.

Office hours of the Superintendent—Schcol days: 8 to 9 a. m. and 4 to 5 p. m. Saturdays—10 to 11 a. m.

Office of the School Agent—Room 8, City Hall
Office hours—8 to 9 a. m. and 4 to 5 p. m.

CALENDAR

Fall term begins Sept. 14, 1914
Winter term begins Jan. 4, 1915
Spring term begins April 12, 1915
Fall term ends Dec. 18, 1914
Winter term ends Mar. 26, 1915
Spring term ends June 18, 1915

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EXHIBITION

BY THE

JUNIOR CLASS OF THE HIGH SCHOOL

CITY HALL, BANGOR, MAINE

Thursday Evening, March 27, 1913

Music—Pullen's Orchestra

Wallace — Chariot Race from Ben Hur

EDWARD L. HERLIHY

Davis — The Prodigal Son

KATHLEEN B. MCGUIRE

Riley — Old Man and Jim

‡EARL STUART PECKHAM

Anonymous, Monologue — Her First Trip to the Butcher's

MADELINE L. GOULD

Music—Pullen's Orchestra

Seward — Eulogy on Daniel O'Connell

JOHN H. MAGEE

Ouida — The Battle of Zaraila

A. CECELIA CHRISTENSON

Irvine — A Social Pariah

ALBERT E. DORAN

Music—Pullen's Orchestra

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Bosher, Mary Cary Here Comes the Bride!
DOROTHY H. SMITH

Lytton Vesuvius and the Egyptian
EDWARD L. FERRY

Child The Man in the Shadow
HORTENSE DAVIS

Music—Pullen's Orchestra

‡Excused

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EXHIBITION

OF THE

JUNIOR CLASS OF THE HIGH SCHOOL

HIGH SCHOOL HALL, BANGOR, MAINE

Saturday Evening, March 14, 1914

Franke — Intermezzo Russe
HIGH SCHOOL ORCHESTRA

Finley — John Brown
ROBERT R. COHEN

Ogden — Mistress Sherwood's Victory
LLUCIE M. KNOWLES

Grady — Opportunities of the Scholar
ROBERT A. PATTERSON

Louis Gregh — The Dance of the Fairies
CHORUS

Tarkington — The Little Gentleman
LORA E. BLANDING

Thurston — Lincoln, a Man Called of God
IRVING R. DONOVAN

Gilder — (a) Amaranthus
Offenbach — (b) Bacarolle
HIGH SCHOOL ORCHESTRA

Dromgoole — The Heart of Old Hickory
BESSIE H. MILLS

Sheil — Irish Aliens and English Victories
FRANK A. MURPHY

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Myer-Helmund — Queen of Night

CHORUS

Aldrich — Pauline Pavlovna

ELIZABETH K. THAXTER

Adapted — Not Guilty

FREDERICK JORDAN

Cobb — "At First the Infant"

HAZEL E. PICKARD

Robyn (a) Panquita
Tschaikowsky (b) Song Without Words

HIGH SCHOOL ORCHESTRA

HIGH SCHOOL ORCHESTRA

1st Violins	2nd Violins
Maurice King	Marjorie Runnels
Stanley Cayting	Frances Flannigan
Norman Mullen	Marguerite Tibbets
James Chilcott	Jessie Newcomb
James McCann	Lydia Adams
Melville Craig	Gertrude Sprague
Harry Helson	Dorothy Harvey
Robert Cohen	Ethel Rideout
	Hazel Robinson

1st Cornet: George Thompson

2nd Cornets

Alfred Frawley — Llucie Knowles

Piano: Louise Cousins

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REPORT OF THE

Superintending School Committee

BANGOR, ME., June 19, 1914.

To His Honor the Mayor, and the City Council of Bangor:

The Superintending School Committee begs leave to submit its annual report upon the past year's work of the schools.

Bangor Schools have for years, in Maine and New England educational circles, been considered excellent, and the results of the past year's work will show that the high standards hitherto attained have been maintained.

The most important feature of the past year is, of course, the occupancy, at the beginning of the school year in September, of the new High School building. The building and its equipment have proved to be admirably adapted to the needs of the work and the increase in enrollment of the school from 595, the previous year, to 682 the past year, vindicates the judgment of the building committee in providing, as they did, for substantial growth in the school. Still further increase in the size of this school in the immediate future is indicated. In all departments of the High School, excellent work has been done and your committee feel that, whether the pupil is to enter higher institutions or is to go to work upon graduating, the varied courses as planned and executed here will give him liberal training for his future.

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In the grammar schools, too, excellent work has been done and the large number of graduates from the ninth grade and their excellent ranks attest the intelligent interest, ability and hard work of principals, teachers and scholars.

The rural schools are doing thoroughly good work and much credit is due to these rural school teachers, many of whom work under disadvantages, having in one room classes in every grade from the sub-primary to the ninth.

The kindergartens are growing and this department is maintaining its high standards and becoming still more valuable an adjunct to the work of the lower grades.

The enrollment the past year was as follows:

High School	682
Graded Schools	2951
Rural Schools	264
Kindergartens	321
	4218

The amount of repair work done on the buildings for a number of years had been so small that many of them had become sadly dilapidated and in need of extensive repairs. Important repairs were made during the summer vacation to the following buildings: Odlin Road, North Bangor, Tyler, Hillside, Stillwater Ave., Bower St., Pond St., Lincoln and Longfellow and these buildings are now in better condition than for years. Extensive repairs to other buildings are, however, imperatively necessary and liberal appropriations for repairs will be necessary for several years to come, after which in our opinion, a much smaller expenditure will keep the buildings in excellent condition.

The growth of the city in the upper Hammond and upper Centre Street sections will make new buildings in these localities necessary in the near future and it is suggested that land for

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this purpose be secured in these localities as soon as may be possible and while the valuations are no higher than at the present time. Two kindergartens are at present inconveniently housed in hired quarters and in many of the grades teachers have larger numbers of pupils than is consistent with best work. This committee recommended in last year's report the erection of an eight-room building in the vicinity of upper Hammond Street and this need is growing still more apparent. A kindergarten is now housed in rented property in this section.

It would be possible to relieve the crowded conditions in the Longfellow district and also provide for the indicated growth in this kindergarten by the erection of an inexpensive two-room bungalow in this vicinity for the kindergarten, thus releasing one room in the Longfellow building for the use of the grades.

It is suggested that a committee be appointed to investigate these two propositions and report to you at an early date.

At the new High School building, the property adjoining in the rear should be acquired, the necessary grading and terracing should be done and the retaining wall on the Spring Street side should be built. These would make more practical and more beautiful this important building and action should not be deferred longer than is absolutely necessary.

The Newbury Street property which was purchased by the city in the fall has been turned over to this committee for school purposes. This property was purchased without the recommendation of this committee and upon examination the building proved to be unsuitable for school purposes.

Appended is a report of the expenditures for the year, as per the books of the Superintendent's office, and an estimate of the cost of operating the schools for the year 1914-1915; also a list of the teaching force.

For the details of the work you are referred to the reports of the Superintendent, the Principals of the High School, and the

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Grammar Schools, the Director of the Kindergarten and the School Agent.

Respectfully submitted,

PRESCOTT H. VOSE
DANIEL McCANN
ABRAM L. KIRSTEIN
C. PARKER CROWELL
GEORGE W. WESCOTT

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Amount Recommended for School Year 1914-'15

Office, Supt., Medical Ins., Clerk; Committee..		$ 4,300 00
High School Teachers		23,000 00
Common School Teachers		70,000 00
Janitors for High School	5,280 00	
Janitors for Common Schools	5,520 00	
		10,800 00
Fuel, Common Schools	6,000 00	
Fuel, High School	3,500 00	
		9,500 00
Books and Supplies		10,000 00
Manual Training, Domestic Science		800 00
Conveyance		400 00
Incidental		1,500 00
Night School		400 00
Repairs		8,500 00
Furnishing Water (Fountains)		1,000 00
		$140,200 00
Amount received from State, approx		58,000 00
Amount to be raised by City		$ 82,200 00

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Financial Statement

Expenses of Office of School Department
For the Fiscal Year

RECEIPTS

Appropriated by City	$1,467 88	
Received from State	1,600 00	
		$3,067 88

EXPENDITURES

Salaries of School Committee	$ 300 00	
Salary of Superintendent of Schools	2,271 53	
Salary of Clerk in office	496 35	
		$3,067 88

MEDICAL INSPECTION

RECEIPTS

Appropriated by City	$1,000 00	

EXPENDITURES

Salaries of our Inspectors	$ 916 68	

HIGH SCHOOL

RECEIPTS

Appropriated by City	$23,000 00	
State, High School Aid	500 00	
State, Mechanics Art's Aid	500 00	
Tuition	343 60	
		$24,343 60

EXPENDITURES

Teachers' Salaries	$21,455 50	
Janitors' Salaries	2,349 43	
Fuel	2,370 37	
		$26,175 30

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COMMON SCHOOLS

RECEIPTS

Appropriated by City	$25,500 00	
State Common School Fund	55,257 73	
State Aid for Manual Training & Domestic Science	1,266 67	
Tuition, C. S.	25 00	
Other Credits	512 45	
		$82,561 85

EXPENDITURES

Teachers' Salaries	$68,119 48	
Janitor's Services	6,453 53	
Fuel	5,627 00	
Conveyance	637 00	
		$80,837 01

BOOKS, SUPPLIES, ETC.

RECEIPTS

Received for Books and Supplies	$ 65 06	
Appropriated by City	18,532 12	
		$18,597 18

EXPENDITURES

Books	$6,230 12	
Supplies	4,017 97	
Domestic Science	201 14	
Manual Training	297 00	
Telephone	131 54	
Insurance	6,204 56	
Miscellaneous	2,267 51	
		$19,349 84

REPAIRS

RECEIPTS

Appropriated by City	$7,000 00	

EXPENDITURES

For Repairs	$6,910 84	

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TOTAL EXPENDITURES FOR THE YEAR

1913-1914

C. S. Teachers' Pay Roll	$68,119 48	
H. S. Teachers' Pay Roll	21,455 50	
		$89,574 98
C. S. Fuel	$6,453 53	
H. S. Fuel	2,370 37	
		$8,823 90
C. S. Janitor's Pay Roll	$5,627 00	
H. S. Janitor's Pay Roll	2,349 43	
		$7,976 43
Conveyance	$ 637 00	$ 637 00
C. S. Books	$4,576 23	
H. S. Books	1,653 89	
		$6,230 12
C. S. Supplies	2,689 99	
H. S. Supplies	1,327 98	
		$4,017 97
Domestic Science	$ 201 14	$ 201 14
C. S. Manual Training	$ 222 35	
H. S. Mechanic Arts	74 65	
		$ 297 00
Telephone	$ 131 54	$ 131 54
Insurance	$6,204 56	6,204 56
Miscellaneous, C. S.	$1,937 33	
Miscellaneous, H. S.	330 18	
		$2,267 51
Repairs		6,910 84
Total		$133,272 99

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Appropriation and Credits for 1913-1914 ..... $137,420 50
(This includes $850, work done on the Power Plant)

AMOUNT EXPENDED

For teachers	$89,574 98	
Fuel	8,823 90	
Janitors	7,976 43	
Conveyance	637 00	
Books	6,230 12	
Supplies	4,017 97	
Domestic Science	201 14	
Manual Training	297 00	
Telephone	131 54	
Insurance	6,204 56	
Miscellaneous	2,267 51	
		126,362 15
Repairs		6,910 84
Office Expenses, include Medical Inspectors		3,984 56
Total		$137,257 55
Balance		$ 162 95

Of the above expenditures, approximately $4,251.35, including Insurance, Fuel, etc., were not approved for payment at the Superintendent's Office.

CREDITS 1913-1914

Raised by City (Appropriation)	$72,500 00
Buildings Sold	470 00
Tuition	368 60
Insurance Refund	42 45
Books & Supplies	65 06
Supt. of Schools (State)	1,600 00
Industrial Education	1,766 66
High School	500 00
State Common School Fund & Mill Tax	55,257 73
Transfer	4,000 00
Work on Power Plant	850 00
Total Credits	$137,420 50

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Report of the Trustees of the French Medal Fund

To the City Council:

Gentlemen:—The following awards of the C. E. French Medals were made for the school year 1912-1913.

HIGH SCHOOL

Scholarship: Marie M. Knowles.
Marguerite Mills.
Essay: Helen M. Pendexter.
Harold J. Casey.
Declamation: Dorothy H. Smith
John H. Magee.
Stenography and Typewriting: Agnes N. Taylor; also 2d in Scholarship.

ABRAHAM LINCOLN SCHOOL

Irene L. Smith
Florence U. Salley
James K. Pennell

HANNIBAL HAMLIN SCHOOL

Carol Hamm
Stanley J. Johnson

DANIEL McCANN
PRESCOTT H. VOSE
A. L. KIRSTEIN
C. PARKER CROWELL
GEORGE W. WESCOTT
Trustees.

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Report of the Trustees of the French Medal Fund

To the City Council:

Gentlemen:—The following awards of the C. E. French Medals were made for the school year 1913-1914.

HIGH SCHOOL

Scholarship: A. Cecelia Christensen.
Helen L. Stuart.
Essay: Marie A. Frawley.
Walter J. Creamer.
Declamation: Llucie M. Knowles.
Irving Donovan.
Stenography and Typewriting: Theresa Scanlan.

ABRAHAM LINCOLN SCHOOL

Mary E. Clough
Rachael G. Connor
James E. Mitchell

HANNIBAL HAMLIN SCHOOL

Walter L. Frawley
Donald J. Valentine

RURAL

Harold D. Smith

DANIEL McCANN
PRESCOTT H. VOSE
A. L. KIRSTEIN
C. PARKER CROWELL
GEORGE W. WESCOTT
Trustees.

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THE FRENCH MEDALS

For Scholarship

A medal will be given to the member of the graduating class who has attained the highest rank in scholarship throughout the four years' course, and to the one who has attained the next highest rank.

For Graduating Essays

Medals will be given to the girl and the boy in the graduating class who present the best essay.

Stenography and Typewriting

A medal will be given to the member of the graduating class who excels in stenography and typewriting, the result to be determined by competitive examination.

Declamation

Medals will be given to a girl and a boy in the Junior Class for excellence in declamation at the Junior exhibition.

In no case shall two medals be awarded the same pupil.

No pupil, who has not been a member of the school for four years, shall receive a Senior medal.

No pupil who has not been a member of the school for three years, shall receive a Junior medal.

No pupil, whose scholarship or deportment has been unsatisfactory, shall receive a medal.

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For Scholarship

One medal will be given in each 9th grade room for the highest rank in scholarship throughout the four years in the grammar grades. Also one medal will be given each year in the 9th grade rural schools.

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REPORT OF THE
Superintendent of Schools

To the Superintending School Committee, Bangor, Maine:

Gentlemen:—I have the honor to submit for your consideration the twenty-fourth annual report, in the series, of the Superintendent of Schools, for the school year ending July 1, 1914. This is the second report by the present Superintendent.

This school year has been one of unusual activity, and there is evidence of marked progress in the conduct and management of the schools. The interest and encouragement shown by the Superintending School Committee and the liberal support given by the general public, have afforded opportunities for improvements; and, while there is room for further advancement and much still to be accomplished in order that the best kind of training may be provided for all of the children of the community, the progress made thus far is gratifying.

In efficiency of teaching force, in methods of work, in the course of study and in organization, the schools are keeping abreast of the times. The essentials necessary for the success of any system are a good working plan and the intelligent and hearty co-operation of all in carrying out that plan.

The attitude of the teachers has been professionally good in the main during the year just closed. Most of our teachers have their hearts in their work and they have been faithful to the trust reposed in them. We have, however, a few teachers who are unsympathetic in their dealings with pupils, teachers

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who fail to realize fully that the schools are for the pupils and not for the teachers.

Changes in the teaching corps during the past school year are as follows:

HIGH SCHOOL

Resignations	Appointments
Florence I. Jaynes	Gladys E. Kavanah
Maud C. White	Alice E. Wormwood
Charles L. Oswald	Peter W. Mitchell
	Arra L. Sutton
	Emily F. Lee
	Helen V. Bransfield

COMMON SCHOOLS

Resignations	Appointments
Laura C. Jewett	Charles P. Allen
Edna E. Temple	Helen M. Morton
Aline Mosher	Corrinne M. Barker
Mary A. Holden	Evelyn M. Harvey
Cora Thompson	Louise A. O'Connor
Louise H. Savage	Ruby M. Gould
Caroline S. Webster	Pauline Pretto
William S. Arnold	Annie F. Moore
Agnes M. Mullaney, Leave of absence	Alice E. Moore
Edith M. Sawyer, Leave of absence	Annie G. Gilkey
Winifred E. Taylor, Leave of absence	Rebecca Chilcott

HIGH SCHOOL

The High School opened Sept. 15, 1913, in the new building and I am sure all connected with this school feel indebted to the tax payers for the splendid building and equipment.

The teaching force numbers thirty. Of these, a man as director over the boys and a woman as director over the girls

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have special charge of the physical welfare of the High School pupils. At an exhibition given in Assembly Hall the drills by the boys and the folk dancing in particular by the girls were excellent. I speak of this feature for I feel confident that this particular training should be introduced into the Grammar schools. It is true that the High School Gymnasium was used by the ninth grades last winter by the boys and I hope in the near future it will be possible for the ninth grade girls to use the gymnasium at least once each week during the winter term.

I should like very much to see what might be termed a department of physical education. The Medical Inspectors and the physical culture teachers should have in charge the entire physical welfare of the children of our schools. It should include the entire range of such subjects as sanitation, heat, light, ventilation; instruction in hygiene; physical training, including both formal exercises and games; supervision of school playgrounds and recreation centers. The only thing which could be said against the immediate establishment of such a department is the ever present need of more money for the support of the schools. For information in regard to the High School, I refer you to the report of the Principal.

BOOKS

About one year ago we adopted the Progressive Road to Reading as a basal book for the City of Bangor. This system is proving very satisfactory, as far as I can learn, and promises a marked advance in reading in the future. With the introduction of this system we have practically a uniform system of reading throughout the city.

A Home Geography has been introduced into the IV grade and the elementary geography is now completed in the VI grade.

The Carpenter's geographical readers have been placed in the schools in the upper grammar grades and the Around the

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World series in the lower grades. These books supplement the study of geography.

The Montgomery's Beginners' History is now used in the VI grade and the Elementary in the VII grade and the large history is taken in the VIII and IX grades.

The Gulick's series of physiologies are used in the following grades:—Grade IV Good Health, Grade V Emergencies, Grade VI Town and City, Grade VII The Body at Work.

These changes and adoptions were recommended by the Superintendent last year.

The Hamilton's Arithmetic, which was introduced two years ago, is proving to be just the book needed. This book is used from the third to the sixth grades inclusive.

The schools are now provided with suitable and uniform text books.

It will be necessary another year to provide a few reference books for the upper grammar grades, also a few maps and globes.

THE NIGHT SCHOOL

Our system of schools will not meet the demands of a large number of young men and young women in our community until we shall have established a night school in this City.

This Public night school has occupied a considerable portion of my thought during the past two years.

There are many reasons why our school system should have a night school as one of its integral parts, providing the City sees fit to furnish a suitable amount of money for its maintenance and a proper spirit is shown in attending it. These reasons are the same ones which have moved other cities to establish this very important branch in the educational scheme.

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The chief argument in favor of the night school is that it provides a means of education for the working youth of our city, the class that most deserves an education.

Who can dispute this proposition? Our compulsory school law requires that children shall remain in school until they are fifteen years of age, unless the Superintendent of Schools, or some other authorized person, shall, for some good reason, excuse them. But at the present time many families are so situated as to require at the earliest possible age the services and earnings of each child. The result is that many a child drops out of school, just as soon as he has reached the end of compulsory school age, yet, some of these same children would continue in a night school, if there were one.

The night school would greatly ameliorate the present social conditions by providing a place for these boys to spend their evenings profitably instead of wasting their time on the street or in other loafing places. It would even be possible for many of our older scholars to obtain some kind of paid work for a part of the day and attend school in the evening.

SPECIAL TEACHERS

The music of the schools has been conducted very efficiently this year with Miss Gale Littlefield as instructor and director. Besides the regular work in the schools, there has been a fine school orchestra which the people of Bangor have had a special opportunity of hearing as it has furnished music at the play, school exhibition and such public performances. It has certainly been a year of great progress and it is hoped that in the near future a Boys' and also a Girls' Glee Club may be formed, an organization which has been worked out successfully in many schools of the state.

The Drawing and Writing Teachers, Miss Dealing and Miss Alexander, have also given us the best of results in their re-

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spective Departments. I wish at this time to call your attention to the reports of the Principals and Heads of the different Departments.

In concluding this report, I wish to give public expression of my appreciation of the loyal and sympathetic support of the teachers. Their attitude has been one of interest and helpfulness.

Also, I wish to thank the members of the Superintending School Committee especially, and the citizens in general for the loyal and unselfish way in which they have upheld the schools during the year. Bangor Citizens are proud of their schools, and cherish a school sentiment far above the ordinary. I shall endeavor to do faithful and conscientious work in the future as in the past. I certainly feel that I am the servant of all the people and not any class or faction. I represent the interests of six thousand school children, and have had placed upon me to a great extent the responsibilities of the development of that number of future citizens of our City and of our great common country.

Respectfully submitted,

D. LYMAN WORMWOOD,

Superintendent of Schools

July 6, 1914.

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Repairs on School Buildings

The *Bagley School* building needs the shed and closets moved to the rear of the main building. Paint the woodwork inside, whiten the ceiling and tint the walls. This school room should have new desks and chairs.

The *Sherburne School* building needs the woodwork inside painted and the ceiling whitened, the walls tinted and the hall put in condition for the clothing. Either repair the fence or remove it.

The *Central School* building needs the main building painted inside and outside, the outhouse repaired and painted. This building should have a flag pole and flag. Fence needed.

The *Crosbyville* building needs to be painted inside and outside, walls tinted and ceiling whitened.

The *Avenue* School needs to be painted inside and outside, walls tinted and ceiling whitened.

Union Square—Radiators or better coils in the rooms on the first floor, and a few slate blackboards. Reseat two or three rooms each year. Teachers' desks and chairs are needed.

Palm Street—Varnish the woodwork on the inside and a few minor repairs. Fence rebuilt.

Longfellow—Two new steel ceilings on the second floor and steel ceilings in basement.

Valentine—Put in one large steam boiler to heat the whole building, whiten the ceilings and tint the walls.

Center—Needs to be painted. New windows for the old part at least, repairs on the inside, slate blackboards in the lower rooms.

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Elm and *State* Streets—Whiten ceilings, tint walls, and varnish the woodwork.

Larkin—Put in more radiation in the two cold rooms, whiten the ceilings and tint the walls.

Pearl, Cottage and *Allen*—Paint these buildings on the outside and whiten the ceilings and tint the walls. Give the woodwork one coat of paint inside. Fences repaired.

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NUMBER OF SCHOOL BUILDINGS IN THE CITY, 30

The High School, with an enrollment of 682 pupils, has:
17 Class Rooms
6 Recitation Rooms
A Bookkeeping and Banking Room
A Stenography Room
A Typewriting Room
A Science Lecture Room, equipped with stereopticon
A Biology Laboratory
A Physiography Laboratory
A Chemical Laboratory
A Physics Laboratory
A Drawing Room for Mechanical Drawing
A Drawing Room for Freehand Drawing
2 Dark Rooms for Photography
1 Wood Working Room
1 Metal Working Room
1 Cooking Room with pantry and dining room connected
A Sewing Room
A Room for the grammar school Manual Training work.
12 Storerooms
2 Teachers' Offices.
2 Teachers' Reception rooms.
A Medical Room
A Library
A Lunch Room
2 Locker Rooms
2 Toilet Rooms
A Gymnasium with two dressing rooms adjoining
An Assembly Hall with two ante-rooms adjoining stage
Offices for the Principal
Offices for the Superintendent of Schools.

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EAST SIDE

Name of School	Number of Rooms	Number of Pupils
Abraham Lincoln	20	813
Center Street	4	173
Longfellow*	4	159
Elm Street*	4	185
State Street*	4	171
Forest Avenue	2	58
Pearl Street	2	85
Pearl St. Kindergarten	2	27

WEST SIDE

Name of School	Number of Rooms	Number of Pupils
Hannibal Hamlin	13	498
Valentine*	6	230
Pond Street	4	160
Larkin Street*	4	174
Bower Street*	4	171
Allen Street	2	88
Cottage Street	2	79
Third Street	1	31
Crosbyville	1	31
Hammond St. Kindergarten	2	39
Rural Schools	11	225

*Includes Kindergarten

NUMBER OF TEACHERS EMPLOYED

High School, 1 master and 28 assistants	29
Grammar grades, 2 principals and 25 assistants	27
Primary grades, teachers 48	48
Suburban schools 11	11
Kindergarten, 8 principals and 8 assistants	16
Special teachers, 6	6
	137

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AVERAGE NUMBER OF PUPILS TO EACH TEACHER

High School	25
Grammar grades	41
Primary grades	44
Suburban schools	22
Kindergarten	36

COST OF TUITION, INCLUDING SALARIES OF TEACHERS, JANITORS' SERVICE, FUEL, BOOKS AND SUPPLIES

	Per Week	Per Year
High School	$ 1 00	$36 00
Upper Grammar (6-9)	50	18 00
Lower Grammar (4-5)	50	18 00
Primary	35	12 60
Suburban	45	16 20

GENERAL STATISTICS

Value of Bangor for 1913	$23,934,305 00
Population of Bangor by census of 1910	24,815
Population between ages of 5 and 21 years	6,137
Total enrollment in public schools	4,076
Average enrollment in public schools	3,535
Enrollment of pupils in parochial and private schools approx	700
Percentage of school population in public and private schools	77%
Appropriation received from the City	76,500

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STATISTICS OF ATTENDANCE, 1913-14

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
High School	George H. Larrabee Prin.	225	356	611	582	293	386	679	643	271	375	646	610
	Annie M. Pease												
	Mary B. Hutchings												
	Mary C. Robinson												
	Mary L. Webster												
	Alice E. Wormwood												
	Elmar T. Boyd												
	Harriet N. Mason												
	Pauline A. Beaupre												
	Fannie H. Robinson												
	Irene Cousins												
	Florence I. Jaynes												
	Mabel A. Humphrey												
	Nellie M. Worth												
	Harold A. M. Trickey												
	Bertha C. Files												
	Willard H. Eaton												
	Amy E. Ware												
	Herbert E. Congdon												
	Sue L. Hincks												
	Ethel C. Pfaff												
	Maud C. White												
	Gladys E. Kavanah												
	Anna MacSkimmon												
	Helen V. Bransfield												
	Peter W. Mitchell												
Palm St.	Herbert Poole, Prin.												
IX	Alma L. Davis	13	23	36	35	16	25	41	39	14	25	39	37
IX	Minnie E. McCarthy	16	21	37	34	18	21	39	35	16	22	38	35
IX	Frances B. Mosher	16	22	38	37	17	25	42	40	16	22	38	36

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School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Palm St., con													
VIII	Alice W. Trickey	17	24	41	39	17	23	40	37	17	24	41	40
VIII	Lilian C. McCarthy	15	22	37	34	15	26	41	38	15	23	38	35
VIII	Helen M. Morton	16	21	37	34	17	25	42	40	16	23	39	36
VII	Katherine Quigley	17	23	40	39	17	25	42	37	18	24	42	39
VII	Annie E. Hurley	20	19	39	37	21	21	42	38	21	21	42	38
VII	Helen J. Mountaine	20	28	38	37	20	20	40	36	19	20	39	34
VI	Dora I. Worster	19	17	36	35	20	18	38	31	19	16	35	33
VI	Corrinne M. Barker	22	14	36	32	24	15	39	34	22	13	35	32
V & VI	Eva L. Grant	21	16	37	36	21	18	39	36	22	16	38	36
V	Alice M. Collins	18	17	35	29	22	16	38	33	20	17	37	32
V	Nellie P. Blaisdell	18	18	36	35	19	18	37	33	18	18	36	34
IV & V	Alice W. Gilman	21	17	38	33	20	18	38	34	21	17	38	34
IV	Nettie M. Howard	24	20	44	39	24	19	43	38	24	20	44	39
IV	Mabel A. Weymouth	24	17	41	38	28	16	44	40	24	17	41	38
III	Sarah A. Ryder	22	20	42	39	24	19	43	38	21	21	42	40
I & II	Mabel M. Drinkwater	19	28	47	43	20	30	50	43	20	30	50	47
Sub & I	Helen N. Christian	22	16	38	32	18	17	35	30	17	19	36	31
Union Sq.	Charles P. Allen, Prin.												
IX	Julia T. Brastow	17	25	42	40	20	23	43	39	18	26	44	41
IX	Annie M. Ervine	19	24	43	41	22	23	45	41	18	24	42	41
VIII	Mary R. Shaw	15	14	29	27	17	15	32	30	15	14	29	26
VIII	Kate M. Allamby	18	13	31	30	18	14	32	29	19	13	32	29
VIII	Annie L. Roney	15	19	34	33	16	19	35	32	16	19	35	34
VII	Sara L. Field	12	23	35	33	19	25	44	39	17	23	40	36
VII	Ann E. Neville	20	17	37	35	21	23	44	38	20	17	37	36
VII	Mae O. Straw	20	14	34	32	22	19	41	38	19	16	35	32
VI	Gertrude E. Fogg	22	19	41	37	26	20	46	42	23	19	42	40
VI	Cora I. Morrison	23	18	41	38	27	20	47	43	23	19	42	39
VI	Lilla E. Curtis	23	17	40	38	24	22	46	40	23	18	41	39
V	Edna I. Mills	23	13	36	35	27	16	43	40	25	12	37	34
V & VI	Evelyn M. Harvey	14	12	26	23					15	14	29	28

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School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Valentine....													
IV & V	Bessie McCoy.....	15	12	27	24	17	21	38	34	15	13	28	25
III	Elizabeth Nickerson....	21	17	38	34	23	20	43	37	21	20	41	35
II & III	Margaret E. McCarthy.	19	15	34	31	18	17	35	25	18	14	32	27
Sub. & I	Gertrude Simpson.....	23	19	42	37	24	18	42	33	23	20	43	37
IV	Allena H. Jewett.....	19	17	36	33	17	17	34	31	19	18	37	33
Pond St.....													
V	Marion J. Mullen.....	21	19	40	38	22	16	38	33	23	16	39	35
IV	Nellie M. Jones.....	16	20	36	33	15	22	37	29	14	20	34	31
II & III	Eva W. Stewart.....	22	24	46	41	23	23	46	38	22	24	46	39
Sub & I	Jessie Lord.....	22	13	35	32	23	16	39	29	22	14	36	29
Centre St....													
VI	Emma F. Lewis.....	17	22	39	36	19	24	43	36	17	23	40	37
IV & V	Margaret F. MacLeod..	19	15	34	30	21	18	39	31	20	16	36	30
II & III	Ida E. Frost.....	30	23	53	48	28	21	49	37	27	21	48	43
Sub & I	Elizabeth A. Norton....	16	27	43	38	16	26	42	29	17	26	43	35
Longfellow...													
IV & V	Augusta P. Kirstein....	21	10	31	30	20	12	32	27	20	11	31	30
II & III	Sadie R. Blaisdell.....	20	30	50	46	21	27	48	41	20	28	48	45
Sub & I	Mary Gallagher.....	21	16	37	35	28	17	45	36	24	15	39	35
Elm St.....													
III	Harriet L. Mosher.....	23	19	42	39	24	17	41	34	24	19	43	35
II	Caro M. Pendleton.....	15	27	42	38	20	28	48	37	16	25	41	37
Sub & I	Mary Gallagher.....	23	23	46	39	30	24	54	36	25	23	48	39
Larkin St....													
V	Mary T. Gibbons.....	18	10	28	23	14	11	25	21	18	11	29	26
IV	Mary Walsh.....	11	12	23	20	9	11	20	18	10	12	22	20
III & IV	Rosemarie Gallagher....	12	18	30	26	12	18	30	26	9	17	26	25

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School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Larkin St. con													
II & III	Mary F. Mahaney	21	17	38	36	16	12	28	26	19	15	34	29
Sub & I	Frances K. Donovan	30	13	43	37	27	15	42	36	28	13	41	33
Bower St.													
IV & V	Margaret S. Hamilton	26	19	45	42	31	18	49	42	29	17	46	40
II & III	Margaret Toole	24	13	37	34	30	17	47	38	29	14	43	39
Sub & I	B. Teresa Curran	14	24	38	29	18	21	39	29	16	24	40	32
State St.													
II & III	Mary R. Spratt	24	15	39	35	25	19	44	33	25	14	39	34
I & II	Eunice R. Coney	22	17	39	36	26	19	45	32	20	15	35	32
Sub & I	Helen L. Donnelly	23	20	43	37	25	18	43	32	23	16	39	31
Pearl St.													
II & III	Mary Clayton	17	15	32	30	18	18	36	31	17	16	33	29
I	Augusta Mountaine	23	24	47	44	27	22	49	37	22	20	42	34
Allen St.													
II & III	Kathryn Preble	22	24	46	41	23	25	48	34	22	24	46	42
Sub & I	Lillian M. Buzzell	21	19	40	36	20	20	40	30	20	19	39	34
Cottage St.													
II & III	Blanche T. Edmunds	24	14	38	37	25	13	38	32	27	14	41	35
	Alzada C. Withee	20	16	36	33	23	18	41	34	19	16	35	29
Forest Ave.													
II & III	Mary L. Herlihy	13	10	23	22	13	12	25	22	13	10	23	21
	Annabel McManus	17	12	29	26	18	15	33	26	17	11	28	25
Third St.													
I	Bernice S. Welch	14	17	31	28	13	18	31	23	14	16	30	25
Crosbyville	Bertha M. Cushman	14	15	29	26	15	16	31	25	14	18	32	25

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School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
	SUBURBAN												
Mt. Hope	Eleanor Gayton	8	9	17	15	11	8	19	17	11	9	20	16
Still. Ave.	Nellie A. Sullivan	16	17	33	27	17	18	35	27	16	16	32	27
Bagley	Louise A. O'Connor	7	8	15	14	6	7	13	12	9	7	16	12
Hillside	Inez Davis	16	6	22	18	16	6	22	18	15	6	21	17
Sherburne	Ruby M. Gould	13	9	22	20	15	9	24	22	13	11	24	20
Central	Flora E. Whitley	13	9	22	20	12	18	30	25	14	9	23	17
No. Bangor	Nellie I. Gale	16	6	22	19	13	6	19	17	14	6	20	18
Avenue	Pauline Pretto	9	15	24	21	11	12	23	20	5	9	14	12
Odlin	Bernice Babcock	8	9	17	16	12	10	22	19	9	9	18	15
Tyler	Mary F. Fahey	5	10	15	14	8	12	20	18	8	12	20	17
Fuller	Annie F. Moore	7	4	11	9	4	8	12	9	5	5	10	8
	KINDERGARTEN												
	Nellie E. Brown, Supervisor												
State St.	Marguerite H. Belden, Director	24	18	42	36	25	14	39	30	29	14	43	27
	Alice E. Moore, Asst.												
Elm St.	Katherine L. Durgin, Director	24	19	43	37	23	19	42	30	23	15	38	31
	Elizabeth Hurley, Asst.												
Bower St.	Gladys A. Totman, Director	18	19	37	28	19	17	36	23	18	16	34	26
	Bessie G. Warren, Asst.												
Longfellow	Adelaide L. Mansur, Director	14	20	34	27	15	19	34	22	15	19	34	27
	Virginia Dillingham, Asst.												

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School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Valentine....	Grace E. Glass, Director	18	18	36	29	21	17	38	27	18	14	32	23
	Elsie M. Lyon, Asst.....												
Larkin St....	Eleanor A. Herlihy, Director	14	18	32	29	15	14	29	23	11	13	24	20
	Caroline S. Webster, Asst												
Pearl St.....	Georgia McClench, Director	19	13	32	24	18	9	27	21	19	11	30	23
	Annie G. Gilkey, Asst....												
Hammond St	Eva M. Ervine, Director	22	17	39	31	22	17	39	25	21	16	37	28
	Alice Rooney, Asst.....												
		1910	1953	3873	3535	2069	2018	4076	3486	1966	1932	3898	3433

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DIRECTORY OF TEACHERS, 1913-'14

Schools	Teachers' Names	Grades	Addresses
High	George H. Larrabee, Prin		131 Grant
	Annie M. Pease		54 Penobscot
	Mary B. Hutchings		Brewer
	Mary C. Robinson		44 Thatcher
	Mary L. Webster		The Colonial
	Alice E. Wormwood		202 Norfolk
	Elmar T. Boyd		251 French
	Harriet N. Mason		23 Jefferson
	Pauline A. Beaupre		396 Hammond
	Fannie H. Robinson		142 Hammond
	Irene Cousins		82 No. Main, Brewer
	Florence I. Jaynes		The Lowder
	Mabel A. Humphrey		50 Leighton
	Nellie M. Worth		99 Kenduskeag Ave.
	Harold A. M. Trickey		19 Grant
	Bertha C. Files		101 Maple
	Willard H. Eaton		123 Center
	Amy E. Ware		113 Grove
	Herbert E. Congdon		80 Wiley
	Sue L. Hincks		Brewer
	Maud C. White		409 Hammond
	Gladys E. Kavanah		26 Lane
	Anna McSkimmon		94 Third
	Helen V. Bransfield		The Lowder
	Ethel C. Pfaff		57 Ohio
	Peter W. Mitchell		Hampden
Palm St.	Herbert Poole, Prin		29 Palm
	Alma L. Davis	IX	179 Birch
	Minnie E. McCarthy	IX	17 Birch
	Frances B. Mosher	IX	38 Forest Ave.

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Schools	Teachers' Names	Grades	Addresses
Palm St. con.	Alice W. Trickey	VIII	27 Prentiss
	Lilian C. McCarthy	VIII	17 Birch
	Helen M. Morton	VIII	53 Charles
	Katherine Quigley	VII	167 Birch
	Annie E. Hurley	VII	239 Pine
	Helen J. Mountaine	VII	21 Adams
	Corrinne M. Barker	VI	107 Third
	Eva L. Grant	V & VI	42 Grant
	Dora I. Worster	VI	Bangor, R. F. D. 1
	Alice M. Collins	V	40 E. Summer
	Nellie P. Blaisdell	V	277 Forest Ave.
	Alice W. Gilman	IV & V	Brewer
	Nettie M. Howard	IV	Brewer
	Mabel A. Weymouth	IV	46 Palm
	Sarah A. Ryder	III	213 Grove
	Mabel M. Drinkwater	I & II	135 Elm
	Helen N. Christian	Sub & I	17 Adams
Union Sq.	Charles P. Allen, Prin.		108 Ohio
	Julia T. Brastow	IX	7 Fourth St. Place
	Annie M. Ervine	IX	273 Hammond
	Mary R. Shaw	VIII	23 Highland Ave.
	Kate M. Allamby	VIII	239 Ohio
	Annie L. Rooney	VIII	76 Summer
	Sara L. Field	VII	219 Ohio
	Ann E. Neville	VII	109 Elm
	Mae O. Straw	VII	Union, R. F. D.
	Gertrude E. Fogg	VI	183 Cedar
	Cora I. Morrison	VI	3 Boynton
	Lilla E. Curtis	VI	Brewer
	Edna I. Mills	V	Brewer
	Evelyn M. Harvey	V & VI	154 Essex
Valentine	Bessie McCoy, Prin.	IV & V	28 Maple
	Elizabeth Nickerson	III	170 Third
	Margaret E. McCarthy	II & III	455 Main
	Gertrude Simpson	Sub & I	28 Second

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Schools	Teachers' Names	Grades	Addresses
Val., con.	Allena H. Jewett	Sub & I	80 Lincoln
Pond St.	Marion J. Mullen, Prin	V	431 Hammond
	Nellie M. Jones	IV	152 Ohio
	Eva W. Stewart	II & III	17 Seventh
	Jessie Lord	Sub & I	13 Pond
Center St.	Emma F. Lewis, Prin	VI	35 Fourth
	Margaret F. MacLeod	IV & V	142 Park View Ave.
	Ida E. Frost	II & III	58 Kenduskeag Ave.
	Elizabeth A. Norton	Sub & I	66 Madison
Longfellow	Augusta P. Kirstein, Prin	IV & V	375 Center
	Sadie R. Blaisdell	II & III	277 Forest Ave.
	Mary Gallagher	Sub & I	83 First
Elm St.	Harriet L. Mosher, Prin	III	242 Essex
	Caro M. Pendleton	II	167 Forest Ave.
	Alice M. Mack	Sub & I	59 Center, Brewer
Larkin St.	Mary T. Gibbons, Prin	V	29 Dutton
	Mary Walsh	IV	31 Sidney
	Rosemarie Gallagher	III & IV	11 Birch
	Mary F. Mahaney	II & III	82 Larkin
	Frances K. Donovan	Sub & I	22 Barker
Bower St.	Margaret S. Hamilton, Prin	IV	59 Dillingham
	Margaret Toole	II & III	34 Smith
	B. Teresa Curran	Sub & I	32 Carroll
State St.	Mary R. Spratt, Prin	II & III	43 Essex
	Eunice R. Coney	I & II	21 Fern
	Helen L. Donnelly	Sub & I	381 Main
Pearl St.	Mary Clayton	II & III	6 Coombs
	Augusta Mountaine	I	21 Adams
Allen St.	Kathryn Preble	II & III	15 Elm
	Lillian M. Buzzell	Sub & I	195 Third
Cottage St.	Blanche T. Edmunds	II & III	30 Ohio
	Alzada C. Withee	Sub & I	29 Holland
Forest Ave.	Mary Herlihy	II & III	174 York
	Annabel C. McManus	Sub & I	183 Third
Third St.	Bernice S. Welch	I	31 March

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Schools	Teachers' Names	Grades	Addresses
Crosbyville..	Bertha Cushman.....	Sub I, II, III	29 Holland
	SUBURBAN SCHOOLS		
Mount Hope.	Eleanor Gayton.....	.....	247 Forest Ave.
Stillwater Av.	Nellie A. Sullivan	.....	Bangor
Bagley.....	Louise A. O'Connor.....	.....	30 Otis
Hillside.....	Inez Davis.....	.....	2 Fourth St. Place
Sherburne...	Ruby M. Gould.....	.....	Kenduskeag
Central.....	Flora E. Whitley.....	.....	Bangor, R. F. D. 8
N. Bangor...	Nellie I. Gale.....	.....	93 Wiley
Avenue.....	Pauline Pretto.....	.....	50 Pine
Odlin.....	Bernice Babcock.....	.....	Odlin Road, R. F. D. 2
Tyler.....	Mary F. Fahey.....	.....	20 Salem Ct.
Fuller.....	Annie F. Moore.....	.....	R. F. D. 4.
	KINDERGARTENS		
	Nellie E. Brown, Supervisor.....	.....	29 James
State St.....	Marguerite H. Belden, Director....	.....	26 Third
	Alice E. Moore, Asst.....	.....	108 Ohio
Elm St.....	Katherine L. Durgin, Director.....	.....	40 Blackstone
	Elizabeth L. Hurley, Asst.....	.....	45 Sidney
Longfellow...	Adelaide L. Mansur, Director.....	.....	15 Somerset
	Virginia Dillingham, Asst.....	.....	114 Forest Ave.
Valentine....	Grace E. Glass, Director.....	.....	29 James
	Elsie M. Lyon, Asst.....	.....	735 Main
Bower St....	Gladys A. Totmn, Director.....	.....	108 Ohio
	Bessie G. Warren, Asst.....	.....	25 Hudson
Larkin St....	Eleanor A. Herlihy, Director.....	.....	201 State
	Caroline S. Webster, Asst.....	.....	78 Forest Ave.
Pearl St.....	Georgia C. McClench, Director....	.....	11 Park View Ave.
	Annie G. Gilkey, Asst.....	.....	22 Hayward
Hammond St	Eva M. Ervine, Director.....	.....	10 Hudson
	Alice Rooney, Asst.....	.....	316 Center

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School	Teachers' Name	Grade	Addresses
	SPECIAL SUPERVISORS		
Music	Gale Littlefield		29 James
Writing	Mary Alexander		38 Jefferson
Drawing	Mabel L. Dealing		199 Main
Manual Training	Charles L. Oswald, Director		Y. M. C. A.
	William S. Arnold, Asst		100 Ohio
Domestic Science	Arra L. Sutton		141 Ohio
	Rebecca Chilcott, Asst		2 West Broadway
Phys Director	Emily F. Lee		58 Fifth

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Report of the Principal of the High School

BANGOR, MAINE, June 8, 1914.

To the Superintendent of Schools:—

The year 1913 and 1914 has been an epoch making year in the history of the High School. It has marked the opening of the new building and has made possible the introduction of new courses and lines of work, which heretofore could not be undertaken. Although, when school opened in September, many parts of the building were not completed and many inconveniences resulted from this condition for several months, yet, very wisely, I believe, was the school work begun at the appointed time. The registration this year has shown an increased attendance. At the time of the issuing of the annual catalog we had a registration of 682 students, or about 90 more than in the preceding year. For the first time for several years the advantages of the High School have been available to pupils from other towns and nearly fifty boys and girls have taken advantage of this opportunity.

In the fall several teachers were added to the faculty to care for the increased size of the school and the newly created departments. The school opened in September with but one of the faculty of the previous year absent. Miss Alice Bucknam, because of ill health, was unable to resume her work and died in the following December. Miss Bucknam had spent many years as a public school teacher in this city and for the past sixteen years had been an assistant in the High school. She was an earnest, faithful teacher, of high ideals and devoted to

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the best interests of her pupils. Her death was a distinct loss to the school.

I am pleased to report at this time that the new building has, after a year's service, proven to be entirely satisfactory in its arrangements and finely adapted to school work. During one of the most severe winters in recent years we have found our heating system adequate for our entire building. We feel that due acknowledgement should be made of the efficiency of our head engineer, whose care and skill has been so large a factor in this result.

Last June we graduated seventy-eight students, fifty-one girls and twenty-seven boys. Nearly forty-five percent of this class have entered some higher institution for advanced study. The institutions represented are Bowdoin, Maine, Dartmouth, Smith, Exeter, Anapolis, West Point and Gorham, Castine and Machias Normal Schools.

The number of students in the various courses is as follows: Classical 136; Scientific 151; Technical 87; Industrial 6; General 88; Commercial 202. The number selecting the various studies is, English 682; Latin 215; Greek 5; French 235; German 73; Algebra 289; Geometry 134; Trigonometry 24; Chemistry 42; Physics 49; Physiography 19; Botany 24; Elementary Science 39; Hygiene 20; Ancient History 172; American History and Civics 72; English History 28; Modern History 16; Bookkeeping 144; Stenography and Typewriting 125; Commercial Law and Geography 41; Shopwork and Drawing 84; Domestic Science 68. The average size of the classes has been 23, the smallest class (Greek) 2. The number of pupils per teacher has been 25.

The lunch counter established about January first has been an undoubted success. It has been well patronized and thoroughly appreciated. The prices have been as low as consistent with a high quality of food and a slight profit. With

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distinct advantage to both departments, the accounts have been kept entirely by the Commercial department. This correlation of departments has relieved the one and enabled the other to receive a most valuable training in actual business. A full set of books has been kept by the students, bank accounts opened and those advanced students assisting in the work have had a practical experience of the greatest value.

The Commercial department intends, as soon as convenient, to secure a complete list of recent graduates with such further information as may be advisable and possible. With this information the department hopes to serve more fully its graduates and the business men of the city who may from time to time need help. This service will be free to all parties.

An important part of our new building is the library. We have at present a very small but useful list of books. We have been able this year to have the room open only a part of the time, owing to the crowded condition of our schedule. It is hoped that another year it may be possible for a teacher to be in the room at all times to act as librarian and help all students desiring to do extra reading. Our thanks are due the Librarian of the Bangor Public Library for books placed on our shelves as needed, and for his very evident desire to cooperate with the school in making both libraries more useful to students and teachers.

The inauguration, in December, of courses in physical training marked the beginning of an endeavor to give all pupils some systematic work along this line. This year the work has been regularly required once a week for all members of the three lower classes and elective for the seniors. The gymnasium has also been open in the afternoon for boys and girls, on alternate days, who desired extra work. The students have been much interested in this part of their school life and beneficial results have been attained. Next year the teachers in this depart-

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ment should be able to devote some part of their time to corrective work.

We have been able this year, for the first time, to offer work in domestic science to High School pupils. The regular first year class in this subject has been of good size and manifested much interest in this work. Such has been, however, the demand for instruction along his line that, in addition, special afternoon classes have been formed. These classes, composed of pupils of all grades and from several courses, were willing to devote extra time each week in order to secure training along this line of school work. A full Household Arts course should be adopted.

The school has received many gifts from various classes and clubs, and the interest thus manifested has been a great source of gratification to all connected with the school. The building, beautiful in itself, is gradually being enriched by these gifts and rendered more attractive and more and more a source of inspiration. We acknowledge, with thanks, the receipt of the following: Statue of Demosthenes, Class of 1891; Statue of Minerva, Bangor Teachers' Club; Bust of Augustus Caesar and Apollo, Class of 1900; Alexandrian Frieze, Oracle Boards of 1911-12 and 1912-13; Bust of Shakespeare, Athene Club; Bust of Homer and two pictures, The Departure (Abbey) and Woodland Path, (Carot), Home Culture Club; Head of Dante, Louise Hanson; Portrait of Hannibal Hamlin, Mrs. Hannibal Hamlin; The Evolution of the Book, (six pictures) Class of 1901. Other classes have under consideration further gifts.

During the past year we have been crowded in the two departments of science and manual training. The probability is that the number of students in these departments will be still further increased during the coming year. To care for this growth there should be added to our faculty two men.

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To supervise a large school properly, the principal must be out of his office much of the time during the school session. Thus a clerk is most necessary to issue supplies, receive visitors and answer telephone calls. She would also be of great assistance in the care of the records and the correspondence. No school, so far as I know, which approaches this one in size is without such help. Such a person, trained as she would be along commercial lines, could also serve as a substitute teacher in the commercial department.

In order that our splendid equipment may be utilized as much as possible and be of the greatest service to the community, I believe that the city should, at an early date, establish a summer session of the high school. The summer school is not an experiment but has demonstrated its usefulness not only in the colleges but among nearly all grades of the public school system. Expenses for such a school would be comparatively small, since the heating expense is eliminated and the janitor service lessened. Only a part of the building need be utilized and but few teachers employed. The objects of such a school would be; first, to allow students with incomplete work to finish the same and thereby secure regular promotion; second,—to allow students who have failed in some of their work to be given an opportunity to remove the conditions; third,—to allow any who may desire to enter college to review desired subjects or secure additional credits. The usual examinations given at the opening of the fall term to remove deficiencies would then be omitted. Such examinations are always more or less unsatisfactory. The classes of this summer session would probably be small, and in a few weeks much work could be accomplished and we would have fewer yearly failures and fewer pupils leaving school.

In reviewing the work of the year we feel that it has been very satisfactory. It has been a year of conscientious labor on

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the part of the teachers and of faithful endeavor on the part of most of the pupils. In almost all lines has the work accomplished been largely increased, due in part, to the lengthened recitation priods but largely to the better facilities offered. Not in recent years has there been so little sickness among the teachers, consequently less interruption in the work. Neither parental desires, nor the advice of teachers nor fine equipments are able to secure from some pupils a desire and purpose to prepare themselves properly for usefulness in the community. A very large percentage of the student body has, however, been imbued with an earnest desire to make the most of the advantages offered.

It is our pleasure and privilege to extend to parents, School Board and Superintendent our thanks for assistance rendered in the work of the year.

Respectfully submitted,

GEORGE H. LARRABEE,

Principal.

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COURSES OF STUDY

CLASSICAL COURSE

The Classical Course prepares for any College; it gives an all round Academic Course, strong in languages.

First Year	Required—English 5. Algebra 5. Latin 5. Ancient History 2½.
Second Year	Required—English 5. Latin 5. Geometry 5. *Elect one—Greek* 5. *German* 5. *French* 5.
Third Year	Required—English and History 5. Latin 5. Algebra 5. *Elect one—Greek* 5. *German* 5. *French* 5.
Fourth Year	Required—English and History 5. Latin 5. *Elect two—Greek* 5. *German* 5. *French* 5. *Mathematics* 2½ *or* 5. *Chemistry* 5. *Physics* 5.

TECHNICAL COURSE

The Technical Course fits for Scientific and Technical Schools and gives an all round Technical education.

First Year	Required —Shopwork and Drawing 10=5. Algebra 5. English 5. Ancient History 2½ or Science 2½.
Second Year	Required—Shopwork and Drawing 10=5 English 5. Geometry 5. *Elect one—German* 5. *French* 5. *Botany* 5. *Physiography* 5.
Third Year	Required—English and History 5. Algebra 5. Physics 5. *Elect one—German* 5. *French* 5.
Fourth Year	Required—English 2½. Mathematics 5. American History 5. *Elect one—French* 5. *German* 5. *Chemistry* 5.

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SCIENTIFIC COURSE

The Scientific Course fits for admission to Schools of Technology, and to the Scientific Departments of other Colleges.

First Year	Required—English 5. Latin 5, or French 5. Algebra 5. Ancient History $2\frac{1}{2}$ or Science $2\frac{1}{2}$.
Second Year	Required—English 5. Latin 5 or French 5. *Elect two—Geometry* 5. *Physiography* 5. *Botany* 5. *French* 5. *German* 5.
Third Year	Required—English and History 5. Physics 5. *Elect two—Algebra* 5. *French* 5. *German* 5. *English History* 5.
Fourth Year	Required—English and History 5. Chemistry 5. *Elect two—French* 5. *German* 5. *American History and Civics* 5. *Mathematics* $2\frac{1}{2}$ *or* 5.

GENERAL COURSE

The General Course is intended to give a broad general training to those pupils who do not intend to enter a higher institution.

First Year	Required—English 5. Algebra 5. *Elect one—Ancient History* $2\frac{1}{2}$. *Elementary Science* $2\frac{1}{2}$. *Drawing* $5=2\frac{1}{2}$. *Domestic Science* $5=2\frac{1}{2}$. *Elect one—Arithmetic* 5. *French* 5. *Latin* 5.
Second Year	Required—English 5. *Elect one—Modern History* $2\frac{1}{2}$. *Drawing* $5=2\frac{1}{2}$. *Commercial Correspondence* $2\frac{1}{2}$. *Domestic Science* $5—2\frac{1}{2}$. *Elect two—Geometry* 5. *Botany* 5. *Physiography* 5. *Latin* 5. *French* 5. *German* 5. *Bookkeeping* 5.

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GENERAL COURSE—Continued

Third Year	Required—English 5. English History 2½. *Elect two—Physics* 5. *French* 5. *German* 5. *Algebra* 5. *Bookkeeping* 5. *Drawing* 10=5. *Latin* 5.
Fourth Year	Required—English 5. Physiology and Hygiene 2½. *Elect two—Chemistry* 5. *French* 5. *German* 5. *Mathematics* 5. *American History* 5. *Bookkeeping* 5.

COMMERCIAL COURSE

The Commercial Course gives a thorough and broad business training.

First Year	Required—English 5. Algebra 5 or Algebra 2½ and Science 2½. Arithmetic 5. Penmanship and Spelling 2½.
Second Year	Required—English and Commercial Correspondence 5. Bookkeeping 5. Typewriting 5=2½. *Elect one—Stenography* 5. *French* 5. *German* 5. *Geometry* 5. *Physiography* 5. *Botany* 5.
Third Year	Required—English 5. Bookkeeping 5. Commercial Law 2½. Commercial Geography 2½. *Elect one—Stenography and Typewriting* 5. *English History* 5. *French* 5. *German* 5. *Physics* 5.
Fourth Year	Required—English 5. American History and Civics 5. *Elect two—Stenography and Typewriting* 5. *Bookkeeping* 5. *French* 5. *German* 5. *Chemistry* 5.

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INDUSTRIAL COURSE

The Industrial Course is designed to enable the pupil who does not intend to enter College, to make himself of greater value along industrial lines.

First Year	Required—English 5. Algebra and Arithmetic 5. Shopwork and Drawing 10=5. Penmanship and Spelling 2½.
Second Year	Required—English 5. Bookkeeping 5. Geometry 5 or Physiography 5. Shopwork and Drawing 10=5.
Third Year	Required—English 5. Commercial Law 2½. *Elect two—Bookkeeping* 5. *English History* 5. *French* 5 *or German* 5. *Physics* 5.
Fourth Year	Required—English 5. American History and Civics 5. Typewriting 5=2½. *Elect one—Bookkeeping* 5. *French* 5 *or German* 5. *Chemistry* 5.

NOTES ON THE COURSES OF STUDY

1. The figure after each subject indicates the number of recitation periods per week, which is, in general, the same as the number of credits allowed. Exceptions are found in several studies. In this case the diploma value is indicated after the sign=.

2. A pupil in course for a diploma must take studies representing at least seventeen and one-half credits for the year.

3. The minimum number of points to secure a diploma is seventy.

4. Only one foreign language may be begun in the same year and it should be continued for at least two years if the pupil is proficient.

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5. Pupils who are preparing to enter college or scientific schools have little choice in regard to studies. The requirements of the institution which the pupil is to enter, fix the subjects to be taken. It is important that the choice of college be made as early as the beginning of the second year, and pupils should then find out exactly the requirements for admission to the college chosen.

6. There must be a sufficient number of pupils desiring a certain elective to warrant the formation of a class in that subject.

7. Pupils unable to take the full course of seventeen and one-half periods a week, may, by consultation with the principal, arrange a course for five years.

8. The selection of studies is subject to the approval of parents and principal and, whenever necessary, of the superintendent. After studies have been selected, pupils will not be allowed to make changes until permission has been granted by the principal or superintendent. The three upper classes select their studies before the close of the preceding year.

9. No credit will be given a pupil unless a study has been pursued at least a year, or unless the amount required in the course is completed.

10. The school is provided with excellent chemical and physical laboratories. Pupils who are to enter colleges where such work is allowed as part of their preparation, are advised to take one year of science.

11. The Commercial Department has all necessary appliances, and offers thorough instruction in all the branches taken in the best commercial colleges. At present the school has thirty typewriters of the highest grade.

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High School Athletics

In order to put the Athletics of the Bangor High School on a firmer basis the School Board appointed as Committee, C. Parker Crowell and the Superintendent. In accordance with the suggestions embodied in their report the following Constitution has been drawn up:—

CONSTITUTION
OF
ATHLETIC COUNCIL OF BANGOR HIGH SCHOOL

ARTICLE I
Name

The name of this Body shall be "The Athletic Council of Bangor High School."

ARTICLE II
Purpose

The purpose of this Body shall be:

1. To promote the various branches of Athletics and to supervise and direct the same.
2. To see that the various athletic contests are arranged and conducted for the best interests of the School.
3. To represent the Faculty, Alumni and Student interests in the active supervision of Athletics in Bangor High School.

The Athletic Council shall at all times be subject to the control of, and shall be responsible for its acts to the Superintending School Committee of Bangor. Subject to such control

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by the School Committee, the Athletic Council shall have full jurisdiction over all matters relating to, or in any way connected with, the Athletic interests of the Bangor High School.

ARTICLE III

Members

The Athletic Council shall consist of nine (9) members, as follows:

Three (3) members of the Faculty.

Three (3) members of the Alumni or former students.

Three (3) members of the Student Body.

ARTICLE IV

Election of Members

The Faculty members of the Council shall be the Principal of the School, the Physical Director and one other member elected by the Faculty. The Alumni members of the Council shall be elected by the School Committee except that in the event of an active Alumni Association of the School being formed, such Alumni Association shall elect the alumni members. The Student members, one from each of the three upper classes, shall be elected by their respective classes by ballot.

The Principal of the School shall be Ex-Officio Chairman of the Athletic Council.

The election of alumni members shall be held at the regular meeting of the School Committee in June.

The election of student and faculty members of the Athletic Council shall be held annually during the week in June following the first Monday at the close of the school year, and all members shall hold office until their successors are elected.

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ARTICLE V

Jurisdiction and Duties

Section 1. This Body shall have full jurisdiction over all matters relating to or in any way connected with the Athletic interests of Bangor High School, including the power to declare a vacancy in the office of Manager or Captain of any team whenever in the judgment of this Body the administration thereof is contrary to the Athletic interests of the school.

Section 2. It shall be the duty of this Body immediately subsequent to its election, to organize and elect a member of the Faculty of the School, who may or may not be a member of this Body, as Secretary and Treasurer, and the said Secretary and Treasurer shall act as custodian of all records and other property belonging to or in any way connected with each Athletic department, and the said Secretary and Treasurer shall hold subject to the direction of this Body, all original estimates and reports laid before it by each manager during the period of his management, together with all Books of Record and all funds remaining as balance to the credit of each Athletic department at the end of its respective season. It shall be the duty of the Secretary and Treasurer to pay all properly contracted and approved bills of the several athletic departments and to supervise all advertising and printing of aforesaid departments. The Athletic Council shall make a written report to the School Committee in June each year, including therein the Secretary and Treasurer's report for the year. All original estimates and reports, together with a statement of the finances of the different departments shall be on file in the office of the Secretary and Treasurer and at all times accessible to members of this Body and the Superintending School Committee. It shall be the duty of the Secretary and Treasurer of this Body to call meetings thereof at any time upon request of any member.

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Section 3. It shall be the duty of this body immediately subsequent to its organization to elect an auditing committee consisting of one Faculty member, one Alumni member and one Student member whose duty it shall be to Audit the books of the Secretary and Treasurer and report before the first Monday in June.

SECTION 4. It shall be the duty of this Body to keep fully advised at all times of the exact financial conditions of the several Athletic departments and for this purpose it shall have the power to require the Secretary and Treasurer to submit a statement of the finances of the several departments at any time. And it shall further be the duty of this Body to withhold from any manager permission to engage in any game or contest whenever in the judgment of this Body the conditions warrant such action.

SECTION 5. It shall be the duty of this Body to publish over the signature of its Treasurer in that issue of the Bangor High School Oracle next subsequent to the close of each Athletic season a statement of the financial conditions of that department audited by the Auditing Committee of this Body.

SECTION 6. It shall be the duty of this Body to nominate from the members of the incoming Senior Class not less than two (2) candidates for Manager and from the incoming Junior class not less than two (2) candidates for Assistant Manager, of each Athletic team from whom a choice must be made by a vote of the entire student body. The baseball and track managers shall be elected in October, the football managers in January and the Basketball managers in June of each year.

ARTICLE VI

ELECTION OF CAPTAINS

1. The captain of the football team shall be elected by those members of the football squad who win their B's.

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2. The captain of the basketball team shall be elected by those members of the basketball team who win their B's.

3. The captain of the baseball team shall be elected by those members of the baseball team who win their B's.

4. The captain of the track team shall be elected by those members of the track team who have won their B's.

5. The election of the captains of the various teams shall be held at the High School Building. The Physical director shall call and preside over the same. Seven days' notice in writing shall be given. This election shall be held not later than 30 days after the close of each season.

ARTICLE VII.

Awarding of Letters

Any member of the school who has participated in parts of three or two entire games of football or in parts of four or three entire and regularly scheduled games of baseball; or in parts of four or three entire and regularly scheduled games of basketball; or who has won a point in the Bowdoin or Maine Invitation Track Meet shall be entitled to the "B" of the BangorHigh School. The Manager of each team shall be awarded a manager's "B."

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REGULATIONS

All students are required to take three full studies and conform to all school regulations. No relaxation of this rule will be permitted except for physical disability or in the case of Post-Graduates who hold diplomas.

For tardiness or absence, the teacher shall require a written excuse from the parent or guardian, and in default of it, may inflict such penalty as may be approved by the Committee.

If a scholar is absent *three days* in any one month, the teacher may require the excuse to be signed by the Committee.

A scholar, who is absent from school *five successive days* or from examination, without a good excuse, or who withdraws from the school, cannot be admitted to his class until he has obtained a written permission from the Committee or from the Superintendent, and made up the lost lessons to the satisfaction of the teacher.

A rank of 65 in each study is required for promotion.

Scholars who fail of promotion will be classed and seated with the grade in which the failure occurs until all deficiencies are made up.

There is one session of the High school each day of the term, continuing from 8 a. m. to 12.45 p. m.

Any pupils, who for any reason need extra work, may, at the discretion of the principal be called to the High school on Friday afternoon.

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OUTLINE OF MANUAL TRAINING

First grade—Paper folding and raphia.

Second grade—Rule and pencil, cardboard and raphia.

Third grade—Cardboard construction and raphia.

Fourth grade—Cardboard construction and raphia.

Fifth grade—Geometric forms in cardboard, basketry and weaving.

Sixth grade—Geometric forms, basketry, weaving and whittling.

Models should be centered around various interests.

Suggestive centers—Home interests, school interests, occupations, games, New Year's, Valentine's Day, Washington's Birthday, Easter, May Day, vacation, Thanksgiving, Christmas, election, the weather, transportation, shops and nature study.

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Report of the Abraham Lincoln School

Mr. D. Lyman Wormwood, Superintendent of Schools:

An examination of the teachers' registers shows that nearly all the marks for absence during the past year stand against the names of a few pupils. The most of these are chronic cases and due mainly to a spirit of indifference on the part of parent or guardian. A child permitted to remain at home on some trivial excuse, finds it easy to repeat the offense at an early date. Especially, if he finds the work beginning to go a bit hard because of lost recitations. One day may seem a mere trifle to a parent, but many times it is sufficient to destroy the child's interest in a study.

The cases of actual truancy have been remarkably few considering the large number of pupils attending. The spirit of the school is against such folly. The pupils, themselves, consider one playing truant, dishonest to himself and to his school, a weakling, and to be pitied rather than praised.

Outside of measles we have been quite free from contagious diseases. So that absence from that cause has been a small factor.

The large number entering from the primary schools necessitated making an extra fourth grade and crowding the first three grades back into two rooms. The number of pupils to a room is as a whole too large to permit the best work being done. Too much of the teacher's energy is used in controlling so large a body, especially during the spring term.

At the beginning of the year, our textbooks were in an extremely dilapidated condition because of taking them home

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to meet the urgent demand for outside study due to the one session day. Though our petitions have been graciously granted, we have felt timid in making such wholesale demands upon your appropriation and are glad to state that each pupil is now well equipped with a good working outfit.

Advancing the Elementary history to its proper grade, the seventh, and placing the Beginner's in the hands of the sixth, has put the work on a far better standing. A good knowledge of these two books, containing as they do the salient features of our country's development, satisfactorily fits the pupil for the broader work carried on in greater detail in the eighth and ninth grades. A similar adjustment in geography has succeeded equally as well. One cannot listen to a recitation in Home Geography, without realizing the increased efficiency from a text appropriate to the grade.

The physiologies introduced into the fourth to seventh grades inclusive, have proved not only intensely interesting but exceedingly fruitful. For instance, pupil inspection, adopted from the author's suggestion, has largely done away with the necessity of sending pupils from the room to wash the face and hands. Scores of children hitherto ignoring teeth and nails are now proudly exhibiting both for approval. This early development is just the thing needed to prepare for properly handling the higher text which heretofore has proved a heavy burden.

The geographical readers throughout the grades, have filled a long felt want in furnishing interesting descriptive matter to supplement the regular text. Emphasizing as they do the usable side of the subject, a pupil almost unconsciously assimilates a vast store of general knowledge.

The introduction of a classic into the eighth grade is a step in the right direction. We hope to see others follow.

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A number of excellent maps have been added to our equipment. The lower grades are now well taken care of for the present. The upper grades, especially the seventh and eighth, need a few more to cover the work as outlined for the coming year.

Supplying each pupil with drawing crayons and each grade with brushes and scissors has done away with much delay and confusion.

Calcimining the ceilings and walls has much improved the appearance of the building inside. The woodwork needs revarnishing, and the walls and partitions of the toilet rooms cleansing.

The inkwells need to be put in order. Many are either cracked or chipped so as to allow the ink to run over and injure the books beneath.

Four of the rubber mats are worn through enough to trip people in passing and might prove dangerous in a fire drill.

It would be possible to keep the floors much cleaner if the boys' yard were properly graded and gravelled.

We hope to see the promised fence installed at an early date. The improvement in discipline and satisfaction to the public will well repay the expense.

We feel that the year's work has been very satisfactory. A good spirit of cooperation has prevailed throughout. We heartily thank you for your generous and kindly consideration of our needs.

Respectfully submitted,

HERBERT POOLE, *Principal.*

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Report of Hannibal Hamlin School

To the Superintendent of Schools:—

In accordance with your request, I hereby submit my first report of the Hannibal Hamlin School for the year 1913-14.

At the beginning of the year the crowded conditions of the sixth grades made it necessary to employ another teacher and make use of the room in the basement known as the sewing room. This was done at the opening of the winter term and Miss Evelyn Harvey was employed as teacher.

The regular work has been carried on in a very satisfactory manner and good work has been done in all the grades.

The school is well supplied with text books and with one or two exceptions the rooms are well provided with wall maps.

Two new charts are needed for the work in Physiology.

Many of the rooms need to be reseated and as this fact has been mentioned to the School Board I will not dwell further on it here.

The stairs, on one side of the building, need new treads as those in use now are badly worn and very loose.

Some step should be taken to prevent the birds from perching under the eaves and over the windows as they have already become a nuisance and are beginning to give the building an unsightly appearance.

The windows should be screened to better the sanitary conditions of the building.

On election days, the teams and automobiles should not be allowed in the school yard. There were several near accidents

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this spring and some step ought to be taken to avoid this unnecessary danger to the pupils.

I wish to take this opportunity to thank the teachers, the School Board and yourself for courtesy and help extended to me throughout the year.

Respectfully submitted,

CHARLES P. ALLEN,

Principal, Hannibal Hamlin School.

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Report of the Supervisor of Kindergartens

To Supt. D. Lyman Wormwood:

I submit my annual report for the year closing June 19, 1914.

It has been a year comparatively free from trying experiences unless the hindrances to regular work, which come from the ills common to the life of little children, may be spoken of as trying. At the end of the year it is possible to see more accomplished than was thought probable during those periods of interruption.

The kindergarten has no way of determining the amount of knowledge acquired by the four and five year old children as has the elementary school, neither is it necessary, but I sometimes wish it was possible to measure the contents of their little minds and mark it down upon a card. Surprises would await every parent, especially the fathers and mothers of the children little inclined to reveal themselves. Of course the things they can talk about are not many, the things they can do are not so very big in themselves, but the kindergarten children are not very big, and these acts, whether physical, mental or moral, suited to their ability at four or five years, mean greater and better things at eight and ten. When they leave kindergarten at six years of age they know much about form and color, about number to eight as a whole and in its simple fractional parts, they can count to ten both forward and backward, they have good *fundamental notions* of music, drawing, reading and writing, they have a larger vocabulary than the child from the home, they can think and act, they have a considerable fund of information and they are interested in

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and alive to the beauty of life around them as is evidenced by the following:

On June nineteenth the Bangor Railway and Electric Company gave the children of our eight kindergartens a car ride into the country for a nominal sum. Men at work in the fields or by the roadsides waved to them as they passed. The pleasant smiles and greetings all along the way meant those children are having a *good time;* the parents were glad to have them go because of the *good time;* it was the last day of school, and to the ordinary thinker simply a happy release for both teacher and child. This it *may* have been, but it was on the contrary, one of the richest days of the entire year. Better teaching was done on that last day by some of the teachers aboard the cars, and more was personally learned by the children of others than on any other one day of the spring term. One discovered a bird house perched on a high pole; another the tiny openings—bird doors—in the gable of a barn; they saw the lambs in the pastures, the horses and cows turned out to graze, the chickens running around the coop, or "incubator" as one boy called it; they were excited over the logs in the river and especially pleased with the bridges they crossed; they exclaimed again and again over the different bits of natural scenery. It was surely a rare day. Every child is a lover of Nature. What a pity that the time ever comes when he ceases to be a lover! Indeed it would never come if those who arrange our school courses would only plan for less book study in a man made school house and more personal investigation in the great school house of Nature. I want the parents of our children to realize that these times of escape from the school room, whether for a walk or a car ride, are strictly educational and in accordance with the ideas of the great founder of the kindergarten.

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So much has been said, through the columns of the daily papers, about the meetings for the mothers and of the desire to so increase the value of them that they, whose children are in the higher grades, will wish to become constant attendants, that I will simply express to you at this time my appreciation of your assistance, especially in arranging for the use of Assembly Hall, in securing printed blanks to be used in extending notices of meetings, and for the permission to reach the mothers through the grade children.

During the past year I have kept a careful record of each day's work. It would be impossible to incorporate it into this report, even if it was a suitable thing to do, but this I may say; the pages of my Daily Reminder show continuous activity, both in school hours and out, in the work of my department. At the opening of the school year I imposed many tasks upon myself, some of which have not been accomplished but I hope to bring them to completion in due time. No teacher has been asked to perform a duty which I am unwilling to perform myself or have not performed many times over.

One valuable director and two assistants who have served the department for a long time have, as you know, resigned their position; two to become home makers, one a grade teacher. Although I shall welcome to the ranks the workers elected by the School Board I await their decision with interest, because it is true that the personality, the professional attitude and the teaching ability of the persons placed over the children just passing from the home to the school will be felt in the Bangor High school. The boy and girl needs an earnest teacher in every grade along the way, I admit, but the little kindergarten child needs such a teacher the most. He is like the warm, soft iron, so easy to mold but so soon cold, defying the blows of the hammer. The teachers we need for the kindergarten and first

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grade are hard to find but should be sought and once found should be secured.

For the unusual opportunity so courteously granted by you to all the kindergarten teachers, and accepted by some, I heartily thank you. Reference is made to the very rare privilege of attending the convention of the International Kindergarten Union held in Springfield, Mass., last April. Those who attended received inspiration and an uplift that will be felt in their schoolrooms for many months. Personally I wish to express appreciation for the privilege of visiting the model kindergarten at Wellesley, Mass., the school for defective children in Providence, the Montessori school in Augusta, Maine, and for the special arrangement made to present the need of universal kindergarten work in Maine to the Maine Federation of Women's Clubs in their midwinter session. It has been a year of greater opportunity for the kindergarten department than is often possible; in return I believe I can pledge higher aims and truer efforts.

Respectfully submitted,

NELLIE E. BROWN,

Supervisor of Kindergartens.

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Report of Medical Inspectors

To the Superintending School Committee:

Gentlemen:—Your medical inspectors have made the required examination of each pupil in the public schools during the first term of the year, and have made the monthly inspections according to your rules. The results of such examination and inspection appear in the detailed reports of each inspector. The general health of the pupils has been good during the year, though measles has been prevalent in several localities. It is the opinion of the board of inspectors that the period of greatest contagion for most contagious dseases is during the first few days of the disease, when the patient is not ill enough to be kept out of school and when very few symptoms of the disease have appeared, and this is the time when the disease is most frequently spread. We would suggest that teachers ask their pupils to tell them whenever they hear of a contagious disease among the school children or in the neighborhood of the schools, and that teachers immediately notify the Superintendent or inspector of the schools of such reported cases. That the School Board make arrangements whereby the "district nurse" when notified of such a case by the superintendent or inspector may visit the place and see if proper care is taken to prevent the spread of the disease. It would be better of course if there were a "school" nurse employed for such purpose but until such can be provided the services of the district nurse might be utilized at small expense. In this way the danger of the spread of contagious diseases will be much lessened. We would also suggest that the grounds about the suburban schools be in-

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creased so that an adequate playground would be provided for these schools and that special instructors visit them regularly and give them instruction in physical culture and teach them such games as are appropriate for such pupils. This would add to the attractiveness and efficiency of the suburban schools. It is not right for a community to make laws compelling children to attend school, and not take every precaution that modern science suggests for the protection of the health of the pupils while in the schools. Therefore it is incumbent upon those having the care of the schools to provide such inspection by those having special knowledge as will best conserve the health and comfort of the pupils during their school days. We would therefore suggest that in addition to the yearly "examination" and the monthly "inspection" that there should be regular "visits" by the inspector to each school at least every two weeks during the school year. This is necessary in order to make school inspection the protection that it is intended and ought to be.

Respectfully submitted,

D. A. ROBINSON,

Ch. Board of Inspectors.

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Medical Inspection Statistics

To the Superintendent of Schools:

Whole number of children examined 4218

Respective number of children excluded from school on account of the following diseases:

Measles	188
Diphtheria	1
Scarlet Fever	2
Whooping Cough	7
Mumps	30
Vermin	57
Skin Diseases	28
Tonsilitis	24
Tuberculosis	1
Chicken Pox	3
Not Vaccinated, (Given time)	169

Respective number of cases found not demanding exclusion from school:

Adenoids	137
Defective Vision	255
Defective Hearing	28
Enlarged Cervical Glands	7
Non-contagious Skin Diseases	24
Nervous Diseases	4
Non-contagious Eye Diseases	4
Non-contagious Ear Diseases	4
Enlarged Tonsils	341
Defective Teeth	213
Deformities	1

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Report of Domestic Science Department

Mr. D. Lyman Wormwood, Superintendent of Schools:

Owing to the fact the Domestic Science department was not completed at the beginning of the year, class work was not begun until the last of October.

At present the grades go to the High School for their cookery and sewing classes. With the growth of the department it will be necessary to equip a room for their use in one of the grammar buildings.

The work in Sewing begins in the sixth grade and continues through the eighth. Following is the course:

GRADE VI

Sewing Problems

1. Sewing Bag
2. Hem a Towel
3. Pillow Case
4. Sewing Apron

Position in Sewing; directions for use of needle; thread; scissors.

Sample of Stictches

Even, Uneven, Long and Short Basting
Running
Overhanding
Overcasting
Cross Stitching

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Models
- French Seams
- French Fell Seam
- Folding a Hem
- Mitering
- Garment and True Bias
- Putting on Bands
- Plackets
- Gathering and Sewing on Ruffles

GARDE VII

Problems
1. Hemstitched Handkerchief
2. Corset Cover or Chemise
3. Drawers

Machine Instruction
- Use and Care of Machine
- Use of Hemmer

Models
- Button Holes
- Whipped Seam
- Sewing on hooks, eyes, tape
- Darning Stockings
- Tucking (Machine)

Instruction throughout the year in the manufacture of needles, pins, thread, scissors.

GRADE VIII

Problems:
- Kimono Apron or Nightgown
- Petticoat or Slip
- Cooking Apron and Cap
- Embroidery (collars, jabots, doilies)

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Models:

Three Cornered Darn	Teach as Models
Straightway Darn	Apply on
Hemmed on Patch	Articles brought
Overhanded Patch	from home.

Instruction in source and manufacture of cotton, linen, silk and wool.

The Ninth grades have Cookery and take the following Course:

I. List and Care of Equipment.

II. a. The Range—Care, cleaning, management of gas supply, practice of economy, use and care of individual stoves.

b. The Ice Box—construction; advantages; care.

III. Beverages—Making of tea, coffee or chocolate.

IV. Fruits—Stewed fruits; stewed prunes, apple sauce or baked apples.

V. Vegetables—Experiments to show cellulose and starch; Prepare one sweet juice vegetable. Make white sauce.

VI. Vegetables—Prepare two strong juice vegetables.

VII. Vegetable Soups—One Cream Soup, One Puree with Crackers.

VIII. Review and Written Lesson.

IX. Starch—Experiments showing starch test; effect of heat and water. Prepare one corn-starch dessert.

X. Sugar—Make one candy.

XI. Cereals—Preparation of two cereals with and without fruit.

XII. Scalloped Dishes—Preparation of one scalloped vegetable and one dessert.

XIII. Milk—Prepare Cottage Cheese and Junket.

XIV. Milk Products—Making of butter in a bowl.

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XV. Cheese—Preparation of macaroni, rice or potatoes with cheese.

XVI. Eggs—Preparation of eggs cooked in water and directly over the fire.

XVII. Milk and Egg Combination—Preparation of one baked and one boiled custard.

XVIII. Meat—Study chart of cuts and uses. Have pupils draw an illustration of Boston Cuts.

XIX. Meat Continued—Broiling—Preparation of Chops and Hamburger Steak.

XX. Gelatine—The preparation of at least one gelatine dessert.

XXI. Fish—Prepare Fish Chowder.

XXII. Fish—Preparation of left-over fish in two ways.

XXIII. Flour Mixtures—Experiments with acids and an alkali to show formation of carbon dioxide gas. Prepare Sweet and Sour Milk Griddles.

XXIV. Flour—Test flour for gluten and starch. Prepare muffins.

XXV. Soft Doughs—Prepare Baking Powder Biscuits. Prepare Sour Milk Biscuits.

XXVI. Yeast Bread—Experiments with yeast. Preparation of Raised Rolls.

XXVII. Breads—Preparation of Rye or Entire Wheat Bread.

XXVIII. Invalid Cookery—Diets; Preparation of an Invalid's tray.

XXIX. Home Nursing—Care of sick room; care of patient. First Aid to the Injured. Household Sanitation. Disinfectants.

XXX. Cakes—Preparation and Baking of a simple cake.

XXXI. Salads—Preparation of two Salads using French and Boiled Dressing.

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XXXII. Frozen Desserts—Preparation of two Ices.

XXXIII. Housekeeping—Sweeping, cleaning; dusting, dangers of vermin, disinfection.

XXXIV. Table Setting and Serving—Method and precision, Immaculateness of linen, Brightness of silver and glass, Noiseless Serving, Mock Service.

XXXV, XXXVI. Preparation and serving of a breakfast and luncheon by the class.

With this practical work they are taught also something of the composition and nutritive values of foods and their places in the diet.

The High School class devote three double periods a week to Domestic Science—one for Sewing and two for Cookery.

The work in cookery includes a knowledge of the fundamental principles of cookery with laboratory, experimental, and recitation work. This covers a study of the nutritive value, composition of cereals, and cereal products, vegetables, sugars, starches, fish, meats, batters and doughs. Throughout the year food values and dietetaries are discussed. Toward the close of the year simple menus are planned and served by the class.

In addition to the regular classes three afternoon classes were formed which registered fifty pupils.

The course in Sewing includes a review of the work in the grades. Undergarments, waists and skirts were made. This work is supplemented throughout the year with recitations on Shelter and Clothing.

A four years' course has been outlined which intends to give the girls a practical education in the Household Arts.

Miss Rebecca Chilcott has taken the grade classes and through her enthusiasm and ability has gained very good results.

Respectfully submitted,

ARRA L. SUTTON.

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Report of the School Agent

BANGOR, MAINE, March 17, 1914.

To the City Council:

I herewith submit my annual report as School Agent for the year ending March 1, 1914:

The act of the last legislature requiring school boards to have charge of the repairs and work on all school property made it necessary for the Superintending School Committee to ask for an additional appropriation of $7,000. I believe this was a step in the right direction because the school officials are better in touch with the needs of the buildings and are not hampered with an outside appropriation from which, in former years, they were obliged to take what they could get. The money has been economically spent and satisfactory results obtained. Plans and specifications were made and bids advertised for most of the work done during the vacation and although started a little late everything was satisfactorily completed for the fall term.

The temporary wooden buildings on Forest Avenue and Harlow Street used by the High School, Manual Training and Domestic Science departments since the fire were sold at auction and have been torn down or moved away.

The most important work done on the school buildings is as follows:

Abraham Lincoln Schoolhouse—The walls and ceilings in all the rooms and corridors were kalsomined, the partitions in the

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assembly hall and basement removed, the old iron fence taken down and the lot on Forest Avenue filled with loam and gravel.

Hannibal Hamlin Schoolhouse—New electric lights have been installed, the doors to the rooms changed to open outward and new stair treads laid.

Pond Street Schoolhouse—This building received two coats of paint outside, a new fire escape was added, new windows put in and repairs were made on the roof and gutters.

State Street Schoolhouse—New Electric lights have been installed in all the rooms and some minor improvements made.

Longfellow Schoolhouse—Two new steel ceilings were built and the rooms and halls painted and kalsomined.

Bower Street Schoolhouse—The outside of the building received two coats of paint and the ceilings and walls of the rooms and halls were painted and kalsomined. A new fire escape was placed on the building and other minor work done.

Pearl Street Schoolhouse—New hardwood floors were laid in the rooms downstairs and a fire escape placed on the building.

Allen Street Schoolhouse—A new fire escape extending from the upstairs room was built and minor repairs made.

Cottage Street Schoolhouse—A new hardwood floor was laid in the room downstairs, a fire escape built, and other improvements made.

SUBURBAN SCHOOL BUILDINGS

These school buildings have received much needed attention during the past year and with one or two exceptions are in first class condition. Some of the buildings have been remodelled and new additions made.

Stillwater Avenue Schoolhouse—An addition for wood and toilets was built onto this schoolhouse, the roof was shingled, the outside received two coats of paint, the inside was painted and kalsomined, and an extra door was built leading into the entry, and some of the windows and outside shutters replaced.

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Hillside Schoolhouse—A new addition for the wood and toilets, the shingling of the roof, two coats of paint inside and outside, new seats and new windows and outside shutters were among the improvements made on this building.

North Bangor Schoolhouse—Two coats of paint inside and outside, a new hardwood floor, outside shutters and minor repairs have placed this building in first class condition.

Odlin Schoolhouse—The old seats were replaced with new ones, the entry remodelled and the schoolroom and shed were painted.

Tyler Schoolhouse—The addition to the building to house the wood and toilets, two coats of paint inside and outside, the remodeling of the entry and several minor improvements have added greatly to the appearance and usefulness of this schoolhouse.

RECOMMENDATIONS

Among the recommendations I would suggest the following for this year:

The grounds about the High School should be graded and concrete laid around the entire building. This, I believe, would shed much of the surface water, which in time, under the present conditions, is bound to be injurious to the rear foundation.

The boiler house of the High School should be remodelled. At present, during the cold weather, only one day's supply of coal can be stored there and in case of a big storm it would be impossible to haul coal to the building. Another serious condition there is that all the pumps and controllers are now exposed to the coal dust. These machines are very valuable and with the exposure they are now subjected to would soon be worthless. I would suggest that a special appropriation be made for the work to be done on and about this building.

At the Abraham Lincoln School the grounds on the Forest

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Avenue side should be graded and a substantial iron fence built around it.

At the Valentine Schoolhouse I would suggest a new heating plant. The extreme cold weather of the past winter has proven that the furnaces now installed there will not do the work satisfactorily. With existing conditions, I believe the change could be made for about $1500. The saving in coal would soon pay for the new installation. Another condition I wish to call your attention to is the gutters on the First Street side of this building. During the winter large icicles hang over the sidewalk endangering the lives of the pupils and passers-by, and although no accidents have occurred thus far, something serious may happen at any time. If possible this year, the rooms and corridors should be kalsomined.

The rooms and corridors of the State Street building should be kalsomined, the boiler room covered with sheet iron and the plaster in the basement rooms repaired.

Should the Mt. Hope Schoolhouse be used this year, I would suggest that an addition be built similar to the ones built on some of the suburban schoolhouses last year.

There are numerous minor repairs to be made on some of the other schoolhouses which I will not mention in detail now.

I wish to take this opportunity to thank the Superintendent of Schools and School Committee for the many courtesies extended to me.

Respectfully submitted,

GEORGE W. CLUFF,

School Agent.

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Rules and Regulations of School Agent

Adopted June 2, 1914.

DUTIES OF THE SCHOOL AGENT

1. It shall be the duty of the School Agent to visit all school buildings in the City at least twice each month, and the rural schools at least twice each term.

2. The School Agent shall look over the buildings and grounds, correcting, through the janitors, any neglect of their duties. He shall also see to it that the closets, outbuildings and fences are kept in proper shape.

3. The School Agent shall act as inspector of all repairs on school property. He shall impress upon the janitors the necessity of keeping the basements clean and free from waste paper and other material liable to cause fire.

4. It shall be the duty of the School Agent to see that all school buildings are supplied with flags and poles properly equipped for displaying the flag.

5. When a vacancy occurs in any school building by reason of sickness or absence of any janitor, it shall be the duty of said janitor to notify the School Agent who shall procure a substitute during such absence.

6. When such absence occurs the School Agent shall notify the Superintendent of any temporary change.

7. He shall make a report of schools visited and his findings monthly to the Superintendent.

8. The Agent shall perform the duties herein stated and any other duties which the School Board may direct.

9. The rules and regulations to take effect when approved by the School Board.

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Truant Officer's Report

BANGOR, MAINE, March 24, 1914.

To the City Council:

I herewith submit my annual report as Truant Officer for the year ending Feb. 28, 1914.

During the year 157 cases have been reported to me, most of which have been caused by sickness. One arrest was made and the boy discharged by the court on the promise of good behavior.

Respectfully submitted,

GEORGE W. CLUFF,

Truant Officer.

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Class of 1913, Bangor High School

June 20, 1913.

"Possunt quia posse videntur"

CLASS OFFICERS

WILLIAM F. WEST, President
RUTH M. JAMESON, Vice-President
HAROLD L. MILAN, Secretary and Treasurer

PROGRAM

Music.....PULLEN'S ORCHESTRA
Prayer
Essay—The Panama Problem.....LANGDON J. FREESE
Essay—My Books.....HELEN M. PENDEXTER
Music.....PULLEN'S ORCHESTRA
History.....MONA B. MACWILLIAMS
Essay—Baseball as a Trade.....HAROLD J. CASEY
History.....PAUL T. WHITE
Music.....PULLEN'S ORCHESTRA
Essay—Weather Difficulties.....GRACE M. REED
Parting Address.....LEON G. BANTON
Music.....PULLEN'S ORCHESTRA
Conferring Diplomas
Conferring Medals

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CLASS ODE

Beatrice L. Matheson — Music By Paul T. White

O list to the voice of the future—
Its accents sweet and clear;
"Your playing days are over;
Real working time is near."

The brook must flow on to the river,
The child become the man;
Let us promise the voice that is calling
To give to it all that we can.

Let each wear a face filled with brightness,
Bear a heart filled with hope and with truth;
Let the seeds of our four years of high school
Grow into full blossoms of youth!

The four happy years are now ended;
Our teachers and friends we must leave,
May we cheerfully shoulder our burdens;
To school-day ideals ever cleave!

HONORS IN ENGLISH ESSAYS

Girls	Boys
Helen M. Pendexter	Harold J. Casey
Grace M. Reed	Langdon J. Freese
Mona B. MacWilliams	F. Donald Crowell
Elsie E. Frost	Charles S. Edmunds
Frances J. Dugan	Harold L. Milan

FIRST HONORS

Average of A for the Course, In Order of Rank

Mary V. Harrison*
Marie M. Knowles
Agnes N. Taylor
Edith L. Ingraham
Marguerite Mills
Pauline M. Murphy
Alice E. Dougherty

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SECOND HONORS

Average of B for the Course. Names Arranged Alphabetically

Edith R. Allen*
Leon G. Banton
Elizabeth H. Chapman
F. Donald Crowell
Marion C. Dougherty
Frances J. Dugan
Charles S. Edmunds
Adah M. Elliott
Charlotte E. Fenno
Langdon J. Freese
Himon M. Goldberg
Roy S. Graffam
Ruth E. Heiskell
Carl F. Holden
Dorothy M. Holden
Flora A. Howard
Ruth B. Libby
Beatrice L. Matheson
Mona B. MacWilliams
Catherine L. McGuff
Esther L. Page
Helen M. Pendexter
Gladys G. Reed
Grace M. Reed
Doris Savage
T. Francis Shea
Robert J. Travers
Teresa E. Tuck
William F. West
Ferris J. Zabe

*Two years

MEMBERS OF CLASS

Allen, Edith R.
Angley, Helen M.
Bailey, Sarah M.
Banton, Leon G.
Buzzell, Marion D.
Casey, Harold J.
Casey, Mary E.
Chapman, Elizabeth H.
Cobb, Bernice E.
Crowell, F. Donald
Cullinan, Helen F.
Curley, Ellen G.
Dougherty, Alice E.
Dougherty, Marion C.
Dugan, Frances J.
Edmunds, Charles S.
Elliott, Adah M.
Evans, Anna M.
Fenno, Charlotte L.
Jarvis, George D.
Jennison, Alice
Knowles, Marie M.
Lawrence, Doris W.
Libby, Ruth B.
McFarland, Wm. H.
McGuff, Catherine L.
MacWilliams, Mona B.
Malone, Sarah M.
Matheson, Beatrice L.
Merryman, Roger P.
Milan, Harold L.
Mills, Marguerite
Mincher, George E.
Mullen, Charles E.
Murphy, Pauline M.
O'Leary, Edwin D.
O'Leary, Simon
Page, Esther L.

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Flanagan, M. Helena
Freese, Langdon J.
French, Frederick F.
Frost, Elsie E.
Gallagher, Madeline V.
Gibson, Ella
Gilman Mary F.
Goldberg, Himon M.
Griffin, Mary C.
Harrington, Teresa M.
Harrison, Mary V.
Heiskell, Ruth E.
Helson, Louisa A.
Hickson, Helen C.
Holden, Carl F.
Holden, Dorothy M.
Howard, Flora A.
Graffam, Roy S.
Ingraham, Edith L.
Jameson, Ruth M.
Pendexter, Helen M.
Perkins, Gladys V.
Quine, James P.
Reed, Grace M.
Reed, Gladys G.
Rideout, Helen I.
Robinson, Carl E.
Rogers, Faye N.
Savage, Doris
Shea, J. Francis
Sheehan, J. William
Smith, Kenneth L.
Taylor, Agnes N.
Thurston, Laurence R.
Torrey, Hazel M.
Travers, Robert J.
Tuck, Teresa E.
West, William F.
White, Paul T.
Zabe, Ferris J.

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Class of 1914, Bangor High School

June 19, 1914

"Fideli certa merces"

CLASS OFFICERS

JOHN M. O'CONNELL, JR., President
MARTHA L. MANSUR, Vice President
STUART E. PECKHAM, Secretary and Treasurer

PROGRAM

Music.....PULLEN'S ORCHESTRA
Prayer
Essay—A Pessimistic View of Bangor's New Government.....
JOHN M. O'CONNELL, JR.
Essay—The Alaska Question.....MARIE A. FRAWLEY
Music.....PULLEN'S ORCHESTRA
History.....KATHLEEN B. MCGUIRE
Essay—The Dance of the Hours.....DOROTHY H. SMITH
History.....EDWARD HERLIHY
Music.....PULLEN'S ORCHESTRA
Essay—Democracy.....WALTER J. CREAMER, JR.
Parting Address.....JOHN H. MAGEE
Music.....PULLEN'S ORCHESTRA

Presentation of Class Gift
Conferring Diplomas
Conferring Medals

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CLASS ODE

Elizabeth Rattray — Music by Abraham F. Goldberg

Borne onward by soft springtime zephyrs,
Announced by the carolling birds,
Enshrouded in fragrance and color
Comes June with her wonderful words.

She tells us of joys and of sadness
To be ours in the days close at hand:
The joys are her music and flowers;
The sadness, that we must disband.

This June is our June; and we listen
With reverence, half fearing to hear,
Now lo! It is ours, the soft message;
We know that our parting is near.

Four years we have shared the dear feeling
That Friendship alone can impart,
But now as the last hour draws nearer
A sorrow creeps into each heart.

A sorrow that's not wholly darkness,
A sorrow that's not wholly pain;
Ever bright in the Realm of the Future
Shall the memories of school-life remain.

FIRST HONORS

Average of A for the Course in Order of Rank

A. Cecelia Christensen
Helen L. Stuart
Bessie Dennis
Madeline L. Gould
Charlotte R. Clark
Valentine E. Kenney
*Callie H. Larrabee
Theresa Scanlan
Margaret R. Burns
Clarence W. Fox

*Three years

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SECOND HONORS

Average of B for the Course. Names Arranged Alphabetically

Eugene F. Bartlett*
Daniel W. Brown
Ruth B. Chalmers
Ruth M. Clark
Louise Cousins
Walter J. Creamer, Jr.
Helen M. Curran
Pauline Derby
Marie A. Frawley
Abraham F. Goldberg
Frances Guthrie
Margaret E. Hadley
Carl E. Hardy
Frances Harford
Frances Head
Edward Herlihy
Bernice W. Hooper
Robert G. Hurd*
Emily Kent
Helen E. Manuel
Kathleen B. McGuire
John H. Magee
Leonora Martha Mansur
C. Neal Merrill
John M. O'Connell, Jr.
M. Grace O'Connor
Leonard J. Perry*
Elizabeth Rattray
David Robinson
Helen A. Rogan
Marjorie L. Runnels
Gwendolyn Safford**
Eleanor Shaw
Dorothy H. Smith
Eugene N. Smith
Frances O. Townsend

*Three years
**Two years

HONORS IN ENGLISH ESSAYS

Girls	Boys
Marie A. Frawley	Walter J. Creamer, Jr.
Dorothy H. Smith	John M. O'Connell, Jr.
Madeline L. Gould	Earl R. Brown
Helen L. Stuart	John H. Magee
Cecelia Christensen	Clarence W. Fox

MEMBERS OF CLASS

Adams, Lydia A.
Atherton, Myles M.
Bartlett, Eugene F.
Berry, Willis W.
Beverly, Verne C.
Boothby, Wallace J.
Bowler, J. Edgar
Hardy, Carl E.
Harford, Frances
Head, Francis
Herlihy, Edward
Holden, Clarence N.
Hooper, Bernice W.
Hurd, Robert G.

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Brown, Daniel W.
Brown, Earl R.
Burns, Margaret R.
Burrill, Alice N.
Chalmers, Ruth B.
Chisholm, Annie B.
Christensen, A. Cecelia
Clark, Charlotte R.
Clark, Ruth M.
Connelly, May E.
Conway, Nora E.
Cousins, Louise
Cox, Mary E.
Coyne, John M.
Creamer, Walter J., Jr.
Cronin, David H.
Cullinan, M. Lucy
Curran, Edward J.
Curran, Helen M.
Daley, E. Desmond
Davis, Hortense
Dennis, Bessie
Derby, Pauline
Dunham, Edna G.
Dunning, Robert B.
Estes, Roland F.
Eveleth, Alma G.
Eveleth, Adell D.
Ferry, Edward L.
Fox, Clarence W.
Frawley, Marie A.
Frey, Carl J.
Gallagher, Alice J.
Gibson, Gladys E.
Ginsberg, Ida E.
Goldberg, Abraham F.
Goss, Lucy E.
Gould, Madeline L.
Griffin, Margaret J.
Guthrie, Frances
Hadley, Margaret E.
Kenney, Valentine E.
Kent, Emily K.
Larrabee, Callie H.
Littlefield, Arthur L.
Manuel, Helen E.
McCann, M. Frances
McGuire, Kathleen B.
McManus, Hugh H.
Maddox, Ethel A.
Magee, John H.
Mansur L. Martha
Maxfield, Frank B.
Merrill, C. Neal
Moore, Lawrence M.
Mullen, Joseph Norman
Murphy, Helen
O'Connell, John M., Jr.
O'Connor, M. Grace
O'Leary, Mildred E.
Paine, Elizabeth
Pearson, Edgar W.
Peckham, E. Stuart
Perry, Leonard J.
Proctor, Frances W.
Rattray, Elizabeth
Robinson, David
Rogan, Helen A.
Ross, Jerome F.
Rudman, Abrahm M.
Runnels, Marjorie L.
Safford, Gwendolyn
Scanlan, M. Theresa
Shaw, Eleanor
Smith, Doris E.
Smith, Dorothy H.
Smith, Eugene N.
Steinert, Florence E.
Stockwell, Nettie H.
Stuart, Helen L.
Toole, Albert S.
Townsend, Frances O.

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GRADUATING EXERCISES

OF

THE NINTH GRADE
BANGOR GRAMMAR SCHOOLS

Assembly Hall, High School Building

FRIDAY AFTERNOON, JUNE 19, 1914
at 2.30 o'clock

PROGRAM

PRAYER

Chorus ..... Waterlilies

SCHOOL

Piano Solo ..... The Two Larks

DOROTHY DOE

Recitation ..... Penelope's Christmas Dance

MARY CLOUGH

Chorus ..... Damascus Triumphal March

SCHOOL

Address .... PROF. JAMES STACY STEVENS, Dean of the University of Maine

Chorus ..... Festival Hymn

SCHOOL

Piano Solo ..... Moonlight on the Hudson

ARLENE TASKER

Solo ..... My Laddie

LUCILE MCNAMARA

Piano Solo ..... Arabesgue

HAROLD GREEN

PRESENTATION OF MEDALS

PRESENTATION OF DIPLOMAS

Chorus ..... The Red Scarf

SCHOOL

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LIST OF GRADUATES
ABRAHAM LINCOLN SCHOOL

Lottie B. Ashey
Annie Berthia Barnes
Clarence Doane Barker
Parry Eustis Boyd
Pauline Edith Campbell
Thomas John Canning
Grace Madaline Carver
Marjorie J. Clement
Grace Madeline Chapin
Eleanor N. Christensen
Mary Clark
Mary Eugenia Clough
Helenore LaC. Clukey
Fannie Cohen
Ruth Edson Colburn
Steven Murray Coney
Rachael G. Connor
Charles B. Constantine
John F. Constantine
Ruth M. Coombs
Edwin W. Costello
Mary Frances Crowe
Frances E. Curran
Evelyn Frances Currier
Helena Derby
Geneva A. Dinsmore
Huldah S. Doron
Walter Howard Downes
Richard E. Downing
Lucy Claire Evans
Grace Flaherty
Alice Gallagher
Gracie Marion Gallison
James Geagan
Charles Francis Gillette
Lewis W. Givren
Walter S. Gordon
Antoinette W. Gould
Cecelia Graffam
Mary Anges Graffam
Lulu A. Graham
Esther Gray
Harold M. Green
John Dewey Grover
Ferdinand Iverson
Marion Jellison
Laura Shaw Jones
Brynie Kamenkovitz
Phillip Kaminsky
Sam Kaminsky
John Henry Kennedy
Charles Galen Kenney
Edward F. Kenney
Marion M. Kenney
Nora G. Lane
William Lee
Iola Leighton
Albert E. Leland
Catherine E. Lintott
Charles H. Loftus
Lenella E. McDonald
Helen Mary Madden
Hazel Doris Marston
George Martin
Sadie Martin
Thelma A. Martin
Julia McCosker
Mary Eliza McDougall
Helen C. McGinty
James Leslie McLeod
Lucile F. McNamara
Sadie D. Miller
James Edward Mitchell
Lillian May Mitchell
Verne Muns
Grace H. Nichols

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Osgood Alen Nickerson
Walter Clifford Noddin
Leah M. Norris
Robert Grant Nowell
Mary K. O'Connell
Mildred Phillips Oliver
Alice Mae Peavey
Marion Pierce
George Whitwell Pierce
Max Phillips
Stanley Pullen
Dorothea Quincy
John Thomas Quinn
James Edward Regan
Alice Evelyn Reid
Gladys Adell Reid
John Edwin Rowe
Nathan W. Segal
Helen J. Shaughnessy
Estelle Augusta Taylor
Lillian Elizabeth Trimm
Gladys P. Underwood
John Peters Vose
Myrtle Wakely
Regina Wardwell
Herbert Clark Webb
Sarah Weinstein
Charles Francis Whalen
Mary Bruce Wheeler
Evelyn Annie White
Julian Samuel White
William Francis White
Alfred Enman Whitley
Russell A. Whitmore
Earle Witham
Lola Mae Yelland

HANNIBAL HAMLIN SCHOOL

Lillian Teresa Adams
Charles Clifford Annis
George Otis Bacon
Ruth M. Bailey
Harvey L. Bernardini
Lester M. Black
Avis S. Boyington
Gladys May Bridges
Helen J. Burton
William A. Caswell
Dorice M. Catell
Earle V. Catell
Pauline Ruth Charlton
Clyde E. Cobb
Lillian Mae Craig
Vernon L. Cunningham
Ruby Mae Darling
Dorothy Elizabeth Doe
Robert A. Dole
Doris A. Drew
John Harry A. Ames
Walter L. Frawley
Corinne L. Furbush
Joseph Daniel Garland
Harry Z. Goldstein
Edith Doreen Gregory
Fred T. Hall, Jr.
Earl J. Honey
John H. Jameson
Marjorie Grace Jenkins
Vivian Elaine Johnson
Doreen E. Kelley
Helen Mae Kerr
Ruth E. Kimball
Daphne Ellen Kittredge
Lillian M. Knowles
Helen Prilay Lancaster
Esther A. Lord
Everett B. Mansur
Catherine Mae Matthews
Helen Eola Mayo
Lucy Margaret McAlpine

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John S. McCann
Luda M. McKenney
Albert Raymond Messer
Vaughn H. Millett
Wilson Josiah Mishou
Myrtie V. Mitchell
Annie Jane Munson
Louise Elinor Nickerson
Edward Cecil Perkins
Marie Piper
Albert E. Pitcher
Ernest A. Raynes
Eva Bernice Richards
Marion E. Robinson
Mary E. Rogan
Helen M. Rounds
Cora Frances Russell
Margery A. Sargent
Evans F. Sealand
Mary Madeline Searles
Wesley Albert Smith
Omar Strout
Helen Frances Sullivan
Arlene Marie Tasker
Carl Lynden Tewksbury
Audrey Hellen Thompson
John Brewer Tower
Donald Jordan Valentine
Mary J. A. Webb
Esther C. Willis

RURALS

Linwood Coffin
A. Everett Eveleth
Muriel A. Hamm
Grace F. Hillman
Daisy Maude Ogilvie
John Crafton Salisbury
Marion F. Scripture
Harold D. Smith
Avis Teresa Verplast
Everett L. York

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Report of City Solicitor

BANGOR, MAINE, March 16, 1914.

To the Mayor and City Council of the City of Bangor, Maine:

The following report of the City Solicitor is submitted for the year 1913-14:

CASES IN COURT

At the beginning of my term of office there were pending in the Supreme Judicial Court appealed cases from awards of damages for land taken for the New Street, so called, which runs from the junction of Harlow and Center Streets to Market and Cumberland Streets, the following: Ellen W. French, Earl W. Wilde, and Charles S. Gibbs. Upon the advice and recommendation of my predecessor in office and by vote of the City Council these cases were settled and at the April term of the Supreme Judicial Court, 1913, proper entries were made in the aforesaid cases, thereby getting these finally disposed of.

In the matter of heirs of Mathew Moriarty, Hannah Kane, and Augusta V. Lawson, wherein damages were awarded to the several parties interested for the laying out of said New Street, settlements have been made with each, and the deeds properly executed and delivered to the City of Bangor and the damages paid.

In re Joseph P. Bass vs. City of Bangor, being an appeal from the assessment on the Central Street widening, argued at the June Law Court held at Bangor, in 1913, I beg leave to report that the case was decided by the Law Court in favor of the City of Bangor and that the action is now pending and will

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be in order for trial at the April Term of the Supreme Judicial Court, 1914, upon the measure of damages.

In the matter of the case City of Bangor vs. Town of Veazie, being an action to recover for pauper supplies furnished certain Spencer children, report that this action was argued at the July term in Portland and by decision recently handed down the position of the City of Bangor is sustained and judgment rendered to the City in the sum of $114.85, debt, with costs of Court taxed at $52.78.

Suit was brought against the town of Clifton to recover pauper supplies furnished Charles Stillings and family. Suit was entered and the matter adjusted without trial and entry made in Court protecting Bangor from liability henceforth.

In the matter of the claim of Penobscot Machinery Co. vs. City of Bangor, being a claim for damages caused by the refusal of the City of Bangor to allow the Penosbscot Machinery Co. to rebuild upon premises it held by leasehold at No. 104 Franklin Street. This matter has finally been settled by the City Council passing a resolution requesting the abatement of taxes in favor of the Penobscot Machinery Co. for a term of years.

Hogan & Callan brought suit against the City of Bangor to recover for certain furnishings placed in the Bangor Municipal Court. This suit was entered in Court and was in order for trial at the January Term, 1914. Upon recommendation of the Mayor and by vote of the City Council the matter was settled without proceedings in Court, the bill paid and vouchers on file with the City Treasurer.

In closing I wish to extend my thanks to my predecessor Brother Hugo Clark, for the very efficient manner in which all papers pertaining to my department, briefs upon the law and statement of facts were in when turned over to me. Certainly it was a great help to me to have all these in such excellent form.

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I also wish to extend my thanks to the members of the various departments for their willingness and readiness in furnishing information called for.

Respectfully submitted,

B. W. BLANCHARD.
City Solicitor.

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Report of the City Missionary

To His Honor, the Mayor, and Members of the City Council:

I herewith submit my report for the municipal year 1913-14.

I have responded to 992 calls for aid; placed 19 children in homes and institutions; removed 19 girls from bad surroundings; provided transportation for 7 stranded individuals; furnished day's outing for 1122 children.

The receipts have been as follows:

Stetson fund	$187 50
Charity Dance	200 00
Fire Relief	51 00
Hon. E. H. Blake	25 00
Elks	10 00
Friends	22 25
	$495 75

The city missionary's office has furnished bedding, clothing, fuel, food and medicine for those needing it. Mrs. Johnson wishes to thank all who have aided her in her work.

Thanks are given to C. S. Jones for furnishing fish and food supplies and physicians for the aid they have given.

Respectfully submitted,

JENNIE M. JOHNSON,
City Missionary.

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Bangor City Government

1914-1915

Mayor, JOHN G. UTTERBACK

ALDERMEN

Ward 1.	Edward R. Hickson	Ward 4.	Albert R. Day
Ward 2.	James E. Rogers	Ward 5.	William D. Matheson
Ward 3.	George Smith	Ward 6.	Arthur A. Leadbetter
		Ward 7.	David J. McGrath

City Clerk and Clerk of Board, VICTOR BRETT

COMMON COUNCILMEN

President, Joseph E. Friend

WARD 1		
Charles A. Quimby	Joseph G. Shine	Charles J. Bernstein
WARD 2		
Frank R. Atwood	John P. Finnigan	John T. Ferry
WARD 3		
Benjamin F. Tefft	John F. McGee	John M. Grant
WARD 4		
Fred C. Ridley	Harry R. Williams	Henry A. Kelley
WARD 5		
Joseph E. Friend	Harry S. Farnham	Eben W. Blunt
WARD 6		
William H. Holman	Edwin H. Carter	George P. Gould
WARD 7		
Charles G. O'Connor	William F. White	Edward P. Higgins

Clerk of Board, Thomas G. Donovan

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WARD OFFICERS

WARDENS

Ward 1. Lawrence E. Toole
Ward 2. Charles H. Milan
Ward 3. John G. Fenno
Ward 4. Joseph T. Holbrook
Ward 5. John Goldthwait
Ward 6. Geo. E. Weiler
Ward 7. Ralph F. Wood

WARD CLERKS

Ward 1. William H. Corcoran
Ward 2. George E. Loftus
Ward 3. Elmer O. Whitten
Ward 4. Chas. H. Sinnott
Ward 5. John H. Pritchard
Ward 6. Arthur W. Archer
Ward 7. Charles E. Sweeney

ELECTION OFFICERS

CLERKS APPOINTED BY THE MUNICIPAL OFFICERS IN THE MONTH OF MAY, 1912

Ward 1.	R., John L. Gaffney	Ballot Clerk
	D.,	Ballot Clerk
	R., Arthur A. Allen	Election Clerk
	D., John S. O'Leary	Election Clerk
Ward 2.	R., Harry Honey	Ballot Clerk
	D., E. F. Kelley, Jr	Ballot Clerk
	R., James Gibbons	Election Clerk
	D., Joseph F. Carr	Election Clerk
Ward 3.	R., H. L. Archer	Ballot Clerk
	D., Timothy Hollihan	Ballot Clerk
	R., Abbot C. Smith	Election Clerk
	D., Patrick H. Quinn	Election Clerk

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Ward 4.	R., Cony A. Pooler	Ballot Clerk
	D., John B. Finn	Ballot Clerk
	R., John C. Bowen	Election Clerk
	D., William H. McCart	Election Clerk
Ward 5.	R., Myer Epstein	Ballot Clerk
	D., F. E. Miller	Ballot Clerk
	R., Geo. W. Cluff	Election Clerk
	D., Frank T. Swan	Election Clerk
Ward 6.	R., Edwin S. Mason	Ballot Clerk
	D., John G. Mooney	Ballot Clerk
	R., Robert Crockett	Election Clerk
	D., Wm. Shaughnessy	Election Clerk
Ward 7.	R., Ashley B. Wood	Ballot Clerk
	D., David J. McGrath	Ballot Clerk
	R., Guy L. Peavey	Election Clerk
	D., Thomas A. Curran	Election Clerk

BOARD OF REGISTRATION

Michael J. Brennan, Chairman	Term expires May 1, 1915
Daniel F. McCarthy	Term expires May 1, 1917
Daniel W. Nason	Term expires May 1, 1917

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CITY OFFICERS
1914-1915

ELECTED BY THE CITY COUNCIL

City Clerk—Victor Brett.
City Treasurer and Collector—Henry O. Pierce.
City Solicitor—B. W. Blanchard.
Chief of Police—Thomas E. O'Donohue.
City Electrician—R. N. Bicknell.
Street Commissioner—Frank E. Pressey.
City Engineer—Frank E. Pressey.
Superintendent of Sewers—Wm. E. Givren.
School Agent and Truant Officer—Geo. W. Cluff.
Superintendent of Schools—D. Lyman Wormwood.
Chief Engineer of Fire Department—Patrick J. Kelley
City Physician—A. A. Brown.
Harbor Master—Edwin Lord.

ASSESSORS

Geo. G. Nelson.....Term expires 1915
Chas. F. Sweet.....Term expires 1916
Frank A. Garnsey.....Term expires 1917

OVERSEERS OF THE POOR

James Gibbons.....Term expires 1915
Alden L. Chase.....Term expires 1916
John T. Kelliher.....Term expires 1917

SCHOOL COMMITTEE

Daniel McCann.....Term expires 1915
C. Parker Crowell.....Term expires 1915
P. H. Vose.....Term expires 1916
Geo. W. Wescott.....Term expires 1916
Abram L. Kirsein.....Term expires 1917

STREET ENGINEERS

F. D. Pressey, ex-officio, W. D. Matheson, Fred C. Ridley.

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CEMETERY BOARD

James A. Chandler, Elmer F. Pember, A. H. Harding.

Constables—Thomas E. O'Donohue, John T. Mackie, Calvin Knaide, J. W. Judkins, Frank M. Douglas, William E. Dyer, Thomas F. Allen, Guy L. Peavey, H. L. Archer, G. A. Tibbetts, F. W. Frost, F. McLennan, Warren H. Reed, G. W. Cluff, W. P. Robertson, F. J. Golden, Ralph K. Wood.

Surveyors of Lumber—W. G. Canney, S. A. Cornish, Harry M. Smith, Joseph J. Porter, J. E. Gillispie, C. Parker Crowell, Albert J. Howell, D. J. McGrath, Jr.

Fence Viewers—Chas. F. Foster, Joseph B. Leathers, Chas. A. York, L. H. Bunker, Ira P. Watson, Nathan Saunders.

Field Drivers—Donald F. Snow, W. E. Nickerson.

BANGOR WATER BOARD

John G. Utterback, Mayor, ex-officio.

M. S. Clifford.....Term expires March, 1915
A. L. Blanchard.....Term expires March, 1915
B. M. Kirstein.....Term expires March, 1916
W. S. Higgins.....Term expires March, 1916
Frank P. Denaco.....Term expires March, 1917
John F. Woodman.....Term expires March, 1917

CLERK AND COLLECTOR

Walter I. Brown

Superintendent—Melville A. Sinclair

Chief Engineer—J. W. Dougherty

Inspector—Cornelius O'Brien

Consulting Chemist—Prof. James M. Caird

Resident Chemist—A. C. Powell

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TRUSTEES OF HERSEY FUND

J. G. Utterback, Mayor, ex-officio.
Henry O. Pierce, Treasurer, ex-officio.
William F. Curran.....Term expires February, 1913
Arthur Chapin.....Term expires February, 1915
Frederic W. Adams.....Term expires February, 1917

APPOINTED BY THE MAYOR AND ALDERMEN

Inspector of buildings—Lester C. Wilbur.
City Treasurer's Assistant—Thomas G. Donovan.
Sealer of Weights and Measures—Edgar B. Thompson.
Special Policeman and Dog Constable—Frank MacLennan
City Missionary—Mrs. Jennie McPhee Johnson.
Inspector of Milk—Hugh F. Quinn.
Inspector of Plumbing—C. H. Cullinan.

POLICE DEPARTMENT

Chief of Police, Thos. E. O'Donohue

REGULAR POLICEMEN

Fahey, James L., Deputy Chief
Knaide, Calvin, Inspector
Smith, Daniel G., Capt.
McAlister, William F., Sergt.
Sproul, Benjamin P.
Golden, Frank J., Capt.
Berry, Horace S.
Baker, Edward K.
O'Leary, Simon
Baker, Harry P.
Donovan, Cornelius
Griffin, Dennis J.
Reid, Ralph G.
Rogan, Frank J.
Mackie, John T.
Loftus, Frank A.
Perkins, Fred J.
Meade, William H.
Bean, Fred H.
Kennedy, Daniel F.
Reagan, James E.
Holmes, Walter R.
Carey, Charles F.
Mahoney, John W.
Gehigan, William H.
Phillips, Ambrose L.
Conners, James A.
Robinson, Robert B.
Beck, James P.
Rowe, Emery A.
Nagle, William J.

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SPECIAL POLICEMEN

Edward A. Laffey Thos. E. Murray

POLICE EXAMINING BOARD

A. A. Brown, City Physician, ex-officio.
H. D. Williams.....Term expires March, 1915
Chas. M. Stewart.....Term expires March, 1916

BOARD OF HEALTH

R. H. Downing.....Term expires March, 1915
Albert P. Pierce.....Term expires March, 1916
H. W. Osgood.....Term expires March, 1917

SEWER BOARD

Alderman, Geo. Smith.
Arthur H. Black.....Term expires March, 1915
Ira P. Watson.....Term expires March, 1917
Wm. E. Givren, Sup't of sewers, ex-officio.

PARK COMMISSIONERS

Ashley B. Wood.....Term expires March, 1915
Wm. C. Iverson.....Term expires March, 1916
F. T. Casey.....Term expires March, 1917

Measurers of Wood and Bark—Arthur Wentworth, T. H. Donovan, Amory W. Staples, Chas. A. Elkins, Geo. A. Daley, Wm. P. Smiley, Chas. M. Stewart, C. G. Chalmers, R. M. Nason, A. J. Robinson, Fred B. Tuck, Eben W. Blunt, W. B. Crossman, F. G. Eaton, Albert Weston, Hosea B. Buck.

Public Weighers and Gaugers—John F. Woodman, A. H. Babcock, J. McManus, J. F. Angley, J. C. Noble, John Donohue, F. C. Brackett, F. F. Rich, R. H. Collins, Arthur Wentworth, A. W. Staples, C. E. Field, A. S. Field, W. T. Smith, G. A. Daley, I. W. Barker, C. M. Stewart, R. J. Lyford, Chas. Grover, E. J. Russell, C. G. Chalmers, Fred B. Tuck, Samuel J. Robinson, W. A. Decker, W. F. Brackett, Abner L. Webber, J. F. Green,

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Elmer E. Barker, E. C. Graham, J. H. Humphrey, B. P. Fessenden, Thos. Eddy, F. Bonsey, Geo. F. Cameron, Fred A. Dow, Eben W. Blunt, James Hayes, A. A. Crowell, Harry L. Jones, W. M. Sellers, H. C. Applebee, Peter A. Currier, J. M. Murphy, H. M. Wiley, Albert Weston, C. D. Bartlett, R. A. Dyer, F. M. Woodman, Henry F. Whitman, Abram Brown, Edward H. Toole, W. H. Staples, John Adams.

SUPERINTENDENT OF BURIALS

Reuben E. Hathorn

UNDERTAKERS

Reuben E. Hathorn—Mt. Hope.
Patrick Quine—Mt. Pleasant.
Ralph C. Eveleth—Oak Grove, Finson road.
Edward H. Allen—Pine Grove, Carmel road.
W. H. Bryant—Maple Grove, Pushaw road.

SUPERINTENDENT OF CLOCKS

(Employed by the Mayor)

Edwin T. Shaw

APPOINTED BY BOARD OF HEALTH

Inspector of Plumbing—C. H. Cullinan

SUPERINTENDENT OF ALMSHOUSE

(Appointed by the Mayor)

Clarence L. Garland

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ASSISTANT ASSESSORS

(Appointed by Assessors and approved by Mayor and Aldermen)

Ward 1. Arthur A. Allen
Ward 2. Frank W. Frost
Ward 3. Chas. A. York
Ward 4. Alden L. Chase
Ward 5. J. H. Stone
Ward 6. Paul J. Bachelder
Ward 7. Leslie L. Frost

CHIEF OF FIRE DEPARTMENT

Patrick J. Kelley

OFFICERS OF THE DEPARTMENT

(Appointed by the Chief Engineer and Approved by Aldermen)

CENTRAL STATION

Eugene LeBarrows	1st District Chief	Salary, $2.65 per day
George K. Adams	Driver Hose 1	Salary, $2.40 per day
Daniel Mooney	Asst. Driver Hose	Salary, $2.40 per day
Daniel T. Sexton	Supt. Hose	Salary, $2.40 per day
Chas. Lee	Night Man	Salary, 10.00 per mo.
Wm. L. Graffam	Driver of Steamer	Salary, $2.40 per day
D. H. Goodwin	Engineer of Steamer	Salary, $2.40 per day
Nathan Speed	Engineer of Steamer	Salary, $2.40 per day
Chas. Johnson	Driver of Aerial Truck	Salary, $2.40 per day
John T. Gulliver	Asst. Driver Aerial Truck	Salary, $2.40 per day
Seth D. Libby	Aerial Ladder Man	Salary, $2.40 per day
Chester P. Clark	Aerial Ladder Man	Salary, $2.40 per day
Everett E. Morrison	Aerial Ladder Man	Salary, $2.40 per day
Geo. A. Rimbach	Aerial Ladder Man	Salary, $2.40 per day

STATION NO. 2

Thomas Rogan	Driver Hose	Salary, $2.40 per day
Jas. Sullivan	Asst. Driver Hose	Salary, $2.40 per day

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Jere Sullivan	Night Man	Salary, $10.00 per mo.
Frank O. Burr	Night Man	Salary, $10.00 per mo.

STATION NO. 3

Albert B. Smith	Driver Hose	Salary, $2.40 per day
Geo. A. Darling	Asst. Driver Hose	Salary, $2.40 per day
Chas. H. Pierce	Night Man	Salary, $10.00 per mo.
A. L. Constantine	Night Man	Salary, $10.00 per mo.

STATION NO. 4

J. Frank Granville	2nd District Chief	Salary, $2.65 per day
Wm. J. Charlton	Driver Hose	Salary, $2.40 per day
Wm. P. Smiley	Driver Steamer	Salary, $2.40 per day
Frank E. Bracey	Engineer of Steamer	Salary, $2.40 per day
Geo. T. Charlton	Night Man	Salary, $10.00 per mo.
Bert R. Hodgdon	Night Man	Salary, $10.00 per mo.

STATION NO. 5

Ellis S. Fogg	3d District Chief	Salary, $2.65 per day
A. C. Lambert	Driver Hose	Salary, $2.40 per day
James E. Crowley	Asst. Driver Hose	Salary, $2.40 per day
John S. O'Leary	Driver Ladder Truck	Salary, $2.40 per day
Wm. McGrath	Asst. Driver Truck	Salary, $2.40 per day
G. H. Finnigan	Night Man	Salary, $10.00 per mo.
Lyndon Hurd	Night Man	Salary, $10.00 per mo.
Patrick A. Cushing	Night Man	Salary, $10.00 per mo.

STATION NO. 6

H. J. Coleman	Driver Hose	Salary, $2.40 per day
H. N. Mason	Asst. Driver Hose	Salary, $2.40 per day
Dennis J. Givren	Driver Steamer	Salary, $2.40 per day
Otis E. Gray	Engineer Steamer	Salary, $2.40 per day
A. W. Varley	Night Man	Salary, $10.00 per mo.
M. Moriarty, Jr	Night Man	Salary, $10.00 per mo.

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STANDING COMMITTEES

ON FINANCE

The Mayor and President of Common Council, ex-officio
Alderman Day, Councilmen Carter and Finnigan

ON ACCOUNTS AND CLAIMS

Alderman McGrath, Councilmen O'Connor and Holman

ON STREETS AND HIGHWAYS

Alderman Matheson, Councilmen Kelley and Bernstein

ON SCHOOLS

Alderman Day, Councilmen Holman and Atwood

ON FIRE DEPARTMENT

Alderman Rogers, Councilmen Gould and Williams

ON PAUPER DEPARTMENT

Alderman Rogers, Councilmen Farnham and McGee

ON WATER

Alderman Hickson, Councilmen Higgins and Quimby

ON STREET LIGHTS

Alderman Leadbetter, Councilmen Kelley and Tefft

ON CITY PROPERTY

Alderman Matheson, Councilmen Atwood and Grant

ON DEPARTMENT OF SUPPLIES

The Mayor and Aldermen Day and Hickson

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ON INSURANCE

Alderman McGrath, Councilmen Carter and Blunt

ON PUBLIC UTILITIES

Alderman Leadbetter, Councilmen Blunt and Ferry

ON TAXATION

Alderman Smith, Councilmen Shine and White

ON BY-LAWS AND POLICE REGULATIONS

Alderman Hickson, Councilmen Shine and McGee

ON ENGROSSED BILLS

Alderman McGrath, Councilmen Gould and Grant

ON ELECTIONS

Aldermen Leadbetter, Matheson and Hickson

ON ELECTIONS IN COMMON COUNCIL

Councilmen Tefft, White and Quimby

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SALARIES OF SUBORDINATE OFFICERS

Mayor	$1,500 00
City Clerk	1,000 00
Clerk of Common Council	125 00
Chief of Police (including horse hire)	1,350 00
Police-Deputy, Inspector and Captains, each, per day	2 50
Policemen, each day	2 40
Street Commissioner	1,200 00
City Solicitor, including office rent	600 00
Chief Engineer of Fire Department (who shall devote all his time to the office) including keeping of horse	1,200 00
Harbor Master	400 00
Truant Officer, fixed by School Dept	250 00
Board of health, Secretary, (including horse hire)	400 00
The other two members, each	50 00
Inspector of Plumbing	600 00
City Treasurer and Collector of Taxes	2,000 00
Treasurer's Assistant	1,200 00
Overseers of the Poor, Sec. (including horse hire)	600 00
The other two members, each (including horse hire)	400 00
Superintendent of Almshouse	1,000 00
Superintendent of Schools	2,500 00
School Agent (including horse hire)	700 00
Street Engineers (including horse hire) Alderman	100 00
Street Engineers, Councilman	50 00
School Committee, each	60 00
City Physician, (including horse hire and all services except in cases of smallpox, cholera and yellow fever, and the city to furnish all medicines)	400 00
City Engineer, (including horse hire)	2,150 00
City Engineer's assistants	3,000 00
Assessors, each, (including all services and horse hire)	1,200 00
Assistant Assessors, per day, each	2 50
Superintendent of Sewers, (including horse hire)	1,100 00

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Superintendent of Supplies	2,000 00
Superintendent of public clocks	150 00
City Auditor	1,500 00
City Electrician (including horse hire)	1,500 00
Clerk of Water Board	1,500 00
Engineer of Water Works	1,200 00
Superintendent of Water Dept	1,500 00
Undertaker (R. E. Hathorn) (fixed by Ordinance)	300 00
Undertaker (Patrick Quine) (fixed by Ordinance)	200 00
Milk Inspector	300 00

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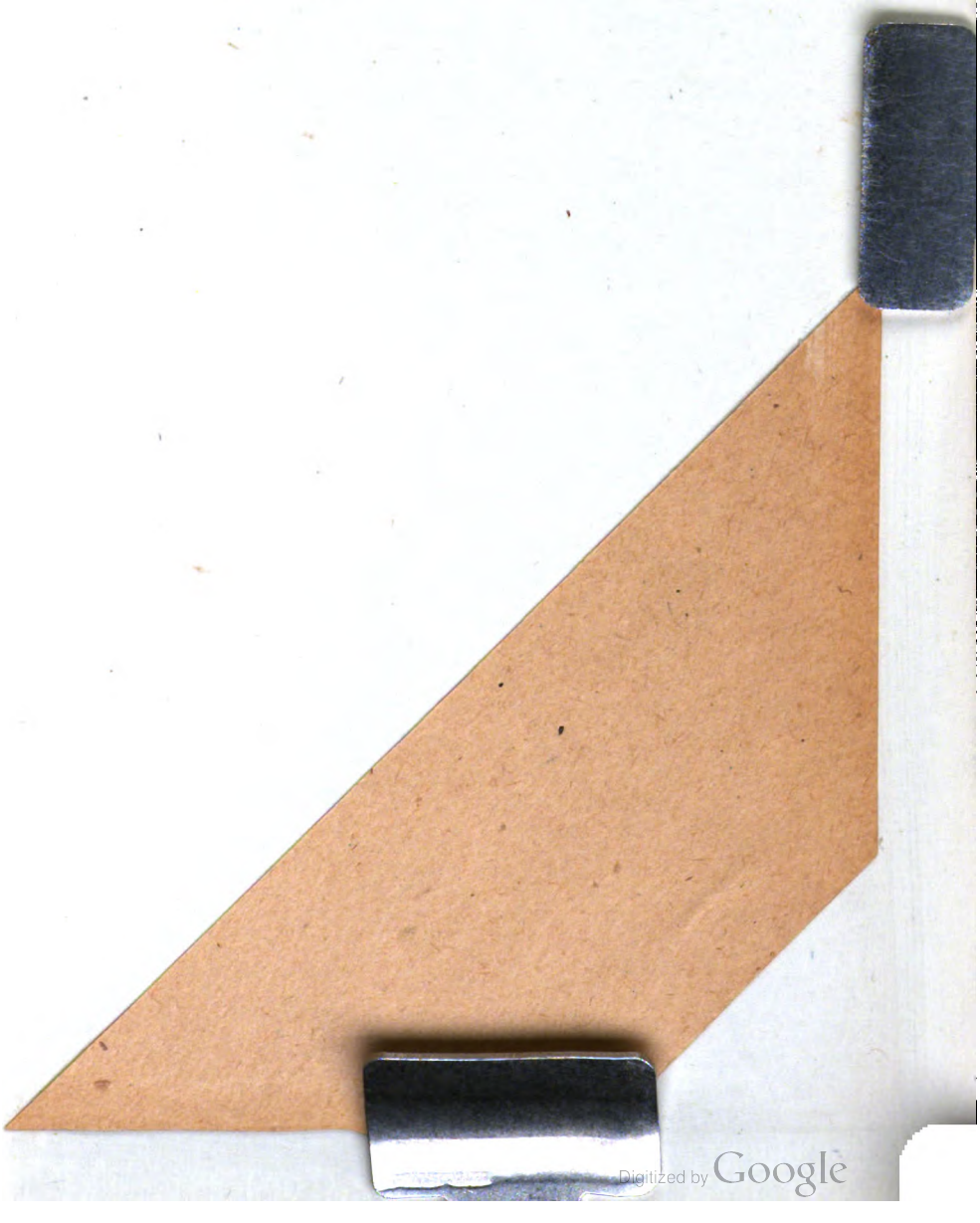

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